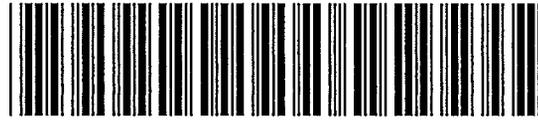


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Site Name NELLO TEER QUARRY-DENFIELD

DocumentType Remedial Action Plan (RAP)

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DocDate 1/27/2005

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AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

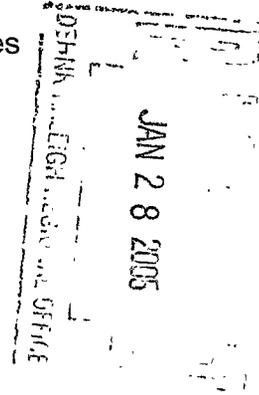
Program IHS (IHS)

DocCat FACILITY

<h1>Quantum Environmental, Inc.</h1>																			
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January 27, 2005

Mr. Eric Rice
North Carolina Department of Environment and Natural Resources
Groundwater Section - Raleigh Regional Office
1628 Mail Service Center
Raleigh, North Carolina 27699



RE: Corrective Action Plan Addendum Transmittal
Former Nello Teer Quarry Site
Denfield Street
Durham, Durham County, North Carolina
Groundwater Incident Number 9357
Quantum Project No. 0013-94-012

Dear Mr. Rice:

Enclosed please find the Corrective Action Plan Addendum prepared by Quantum Environmental, Inc. for the above-referenced site. This CAP addresses the remediation of chlorinated solvent contaminated groundwater at the site. Quantum proposes reduction of the contaminants at the site through natural processes according to the requirements of 15A NCAC 2L.0106 (I). Please disregard the previously submitted CAP and CAP Addendum dated December 3, 1993 and September 29, 1995, respectively, for this portion of the site.

Copies of notification letters submitted to the appropriate responsible parties are enclosed in the CAP as Appendix F. The receipts for these letters will be sent to you under separate cover when they are submitted to our office.

If you have any questions regarding this project please contact me at (919) 852-3595.

Sincerely,

QUANTUM ENVIRONMENTAL, INC.

Thomas W. Davis, L. G.
Project Hydrogeologist

R05-002

Cc: Mr. Steve Edgerton, L. G., Hanson Aggregates
Mr. Mark Powers, DENR, UST Section- Raleigh Regional Office

Enclosure

**Corrective Action Plan Addendum
Nello Teer Quarry
5013 Denfield Street
Durham, North Carolina
Durham County
Groundwater Incident #9357**

Date of Report: January 27, 2005

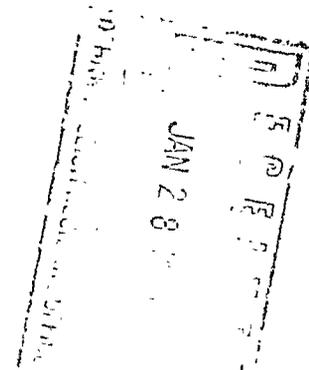
Site Priority Ranking: 110B

Responsible Parties: North Carolina Department of Transportation
Roadside Environmental Unit
1557 Mail Service Center
Raleigh, NC 27699
(919) 733-2920

Hanson Aggregates Southeast
2300 Gateway Centre Boulevard
Morrisville, NC 27560
(919) 380-2600

Current Owner: Hanson Aggregates Southeast
2300 Gateway Centre Boulevard
Morrisville, NC 27560
(919) 380-2600

Consultant: Quantum Environmental, Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

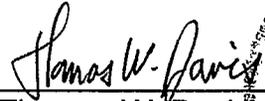


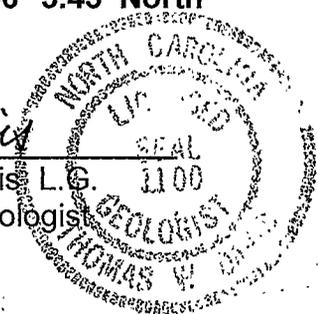
Release Information:

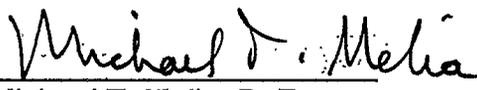
The soil and groundwater contamination by chlorinated solvents at this site is believed to have originated from an asphalt-testing laboratory formerly operated by the North Carolina Department of Transportation (NCDOT) at the site. The release was discovered and reported to the North Carolina Department of Environmental Management in October 1992. The quantity of the release is unknown.

Latitude: 36° 3.45' North

Longitude: 78° 53.10' West


Thomas W. Davis, L.G.
Project Hydrogeologist




Michael T. Melia, P. E.
President

DIVISION OF WATER QUALITY
Certification for the Submittal of a Corrective Action Plan
Under 15A NCAC 2L .0106(l)

Responsible Party: NCDOT
Address: 1557 Mail Service Center
City: Raleigh **State:** NC **Zip Code:** 27699

Responsible Party: Hanson Aggregates Southeast
Address: 2300 Gateway Centre Boulevard
City: Morrisville **State:** NC **Zip Code:** 27560

Site Name: Nello Teer Quarry
Address: 5013 Denfield Street
City: Durham **County:** Durham **Zip Code:** 27704

Groundwater Section Incident Number: 9357

I, Thomas W. Davis, a Professional Engineer/Licensed Geologist (circle one) for Quantum Environmental, Inc., do hereby certify that the information indicated below is enclosed as part of the required Corrective Action Plan (CAP) and that to the best of my knowledge the data, site assessments, engineering plans and other associated materials are correct and accurate.

Each item must be initialed by hand by the certifying licensed professional.

1. TWD A listing of the names and addresses of those individuals required to be notified to meet the notification requirements of 15A NCAC 2L .0114(b) are enclosed. Copies of letters and certified mail receipts are also enclosed. A copy of the newspaper notice and the title of the newspaper(s) where it was published must be included, if applicable.
2. TWD A Professional Engineer or Licensed Geologist has prepared, reviewed, and certified all applicable parts of the CAP in accordance with 15A NCAC 2L 0103(e).
3. TWD A site assessment is attached or on file at the appropriate Regional Office which provides the information required by 15A NCAC 2L .0106(g).
4. TWD A description of the proposed corrective action and supporting justification is enclosed.
5. TWD A schedule for the implementation and operation of the CAP is enclosed.
6. TWD A monitoring plan is enclosed which has the capacity to evaluate the effectiveness of the remedial activity and the movement of the contaminant plume, and which meets the requirements of 15A NCAC 2L .0110 and .0106(l).

(OVER)

7. SWP The activity which resulted in the contamination incident is not permitted by the State as defined in 15A NCAC 2L .0106(e).

In addition, the undersigned also certifies that to the best of my knowledge and professional judgement and in accordance with the requirements of 15A NCAC 2L .0106(l), the following determinations have been made and are documented in the CAP:

8. SWP All source of contamination and free product have been removed or controlled in accordance with 15A NCAC 2L .0106(f) and (l).
9. SWP The contaminants have the capacity to degrade and attenuate under the site-specific conditions.
10. SWP The time and direction of contaminant travel can be predicted with reasonable certainty.
11. SWP The migration of the contaminant will not result in any violation of the standards specified in 15A NCAC 2L .0202 at any existing or foreseeable receptor.
12. SWP The contaminants have not and will not migrate onto adjacent properties, or adjacent properties are served by public water supplies which cannot be influenced by contaminants migrating off-site, or adjacent landowners have consented in writing to a request allowing the contaminant upon their property.
13. SWP Groundwater discharge of the contaminant plume to surface waters will not result in a violation of 15A NCAC 2B .0200.
14. SWP The area of the contaminant plume has not been identified by a state or local government groundwater use planning process for resource development.
15. SWP All necessary access agreements needed to monitor groundwater quality have been or can be obtained.

(Please Affix Seal and Signature)

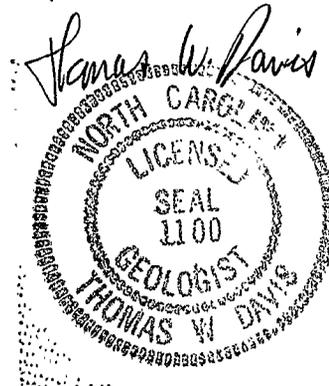


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EXECUTIVE SUMMARY

Quantum Environmental, Inc. (Quantum), on behalf of Hanson Aggregates Southeast Inc. (Hanson), is submitting this Corrective Action Plan (CAP) Addendum for the remediation of solvent contaminated soil and groundwater at the former Nello Teer Quarry in Durham, North Carolina.

Shallow soils and the surficial (water table) and bedrock aquifers at the site have been impacted by the release of chlorinated solvents and petroleum residuals in the past. The solvent contamination resulted from releases of chlorinated solvents from a former North Carolina Department of Transportation (NCDOT) asphalt-testing laboratory at the site. The volume of chlorinated solvents released at the site is unknown, and no control measures are known to have been enacted to control the release. No free product is known to have been present in this area. Petroleum contamination resulted from leaks from a former underground storage tank (UST) tank farm located on the site. Remediation of the resulting soil and groundwater petroleum contamination is currently being conducted under the review of the Department of Environment and Natural Resources (DENR) UST Section and will not be discussed in further detail in this document.

Early soil investigations conducted at the site attempted to delineate the extent of solvent contamination using field screening techniques. Ultimately, approximately 200 cubic yards of soil identified as petroleum-contaminated were removed from the area of the former asphalt plant and remediated on-site. Quantum completed a soil investigation in June 2004 to determine the current soil conditions in the area of concern. Minimal concentrations of soil contamination were found to remain in the area. The maximum soil contamination documented in the latest investigation was 0.0031 mg/kg 2-chlorotoluene in SB-14, 0.0023 mg/kg 1,2-dichloroethane in SB-9-1, 0.11 mg/kg 1,1-dichloroethene in SB-9-2, 0.12 mg/kg trichloroethene in SB-9-2, 0.033 mg/kg 1,1,1-trichloroethane in SB-9-1, 0.0096 mg/kg 1,1,2-trichloroethane in SB-9-2, 0.016 mg/kg tetrachloroethene in SB-9-2, and 0.0034 mg/kg vinyl chloride in SB-9-2. The clean-up goals for contaminated soil in this area are the soil-to-groundwater MSCCs listed in the *Groundwater Section Guidelines for the Investigation and Remediation of Soil and Groundwater*. Since 2-chlorotoluene does not have an established MSCC, the detection limit will be considered the clean-up standard.

The limited extent and magnitude of the chlorinated solvent-contaminated soil at the site indicates that natural attenuation of the soil is the most cost-effective, reasonable method of remediating the contaminated soil.

For several years, chlorinated solvents have been detected in the groundwater at concentrations exceeding the 15A NCAC 2L.0202 - Ground Water Quality Standards (2L Standards). During the April 2004 sampling event, solvents were detected in the following wells in excess of the 2L Standards:

Shallow Wells: MW-25, MW-25i, MW-29i, RW-5 and RW-6
Deep Wells: MW-28D and RW-8.

The maximum concentrations of chlorinated solvent groundwater contamination that were present above North Carolina 2L Groundwater Standards during the April 2004 semi-annual sampling event were 65.0 µg/l vinyl chloride in MW-25, 38.0 µg/l 1,1-dichloroethene in RW-6, 12.0 µg/l cis-1,2-dichloroethylene in RW-6, 17.0 µg/l tetrachloroethene in RW-6, 1.5 µg/l 1,2-dichloroethane in MW-25, 6.6 µg/l 4-chlorotoluene in MW-25i, 89.0 µg/l 1,1,1-trichloroethane in RW-6, 1,1-dichloroethane in RW-5, 110.0 µg/l chloroethane in MW-25i, and 15.0 µg/l 2-chlorotoluene in MW-29. The clean-up goals proposed for the groundwater contaminants at the site are the 2L Standards, or asymptotic levels if the concentrations of contaminants stabilize.

Based on previous groundwater investigations performed on the site, it appears that the chlorinated solvent groundwater contamination is confined primarily to the surficial and upper portions of the bedrock aquifers, and has moved only slightly down gradient from the source area.

The chlorinated solvent plume addressed in this CAP Addendum is essentially limited to the area encompassing wells MW-25, MW-25i, MW-28D, MW-29i, RW-5, RW-6, RW-7 and RW-9. Additional wells that were found to contain chlorinated solvents at some time in the past include MW-11, MW-17, RW-1, MW-13, MW-18 and MW-26. These wells are thus important in detailing the chlorinated solvent plume at the site.

Nine groundwater supply wells are located within 1,500 feet of the source area. The majority of the wells present on the surrounding properties are private wells used for domestic or commercial purposes. BIOCHLOR version 2.2 modeling of the natural attenuation of the chlorinated solvent residuals present in the groundwater at the site indicates that no solvent residuals should be expected to migrate further than approximately 125 feet down-gradient of monitoring well MW-25. This indicates that the receptors present along Denfield Street and Communications Drive appear to be safe from any negative influence due to the groundwater contamination present in this area.

Based on potentiometric and contaminant analysis data, a majority of the solvent contamination in the groundwater has either been degraded by natural attenuation processes (enhanced by the injection of Hydrogen Release Compound (HRC[®]) into the subsurface in 2003), or through active groundwater recovery and treatment. Continued operation of the pump-and-treat system present at the site is inefficient and no longer cost-effective. The further use of HRC[®] to remediate the remaining chlorinated solvent residuals present to concentrations less than the 2L Standards is cost-prohibitive.

Reduction of the solvent residual concentrations in the groundwater through the process of natural attenuation is recommended as the remedial action for this site, with adequate monitoring of the contaminant plume to insure the safety of the public and the environment in the area surrounding the site. The monitoring of the natural attenuation process should be conducted in conjunction with the semi-annual groundwater monitoring events that are conducted as directed by the DENR-UST Section to monitor the separate petroleum residual plume at the site.

1.0 INTRODUCTION

This Corrective Action Plan (CAP) Addendum was prepared by Quantum Environmental, Inc. (Quantum) for Hanson Aggregates Southeast (Hanson) concerning the former Nello Teer Quarry site in Durham, North Carolina to detail the proposed method of remediating solvent contaminated soil and groundwater at the site. The plan has been prepared to satisfy the requirements of the North Carolina Department of Environment and Natural Resources (DENR), Division of Water Quality (DWQ) Groundwater Section's *North Carolina Administrative Code (NCAC), Title 15A NCAC 2N*, paragraph .0707, and *15A NCAC 2L*, paragraph .0106, and in accordance with DWQ guidelines.

The soil and groundwater at the site have been impacted by chlorinated solvents released from a former asphalt-testing facility operated by the North Carolina Department of Transportation (NCDOT). The concentrations of chlorinated solvents in the soil and groundwater exceed the permissible concentrations established by the DENR-Groundwater Section. Specifically, levels of vinyl chloride, chloroform, 1,1-dichloroethene, cis-1,2-dichloroethene, trichloroethene and chloroethane detected in various groundwater monitoring wells at the site have exceeded the North Carolina Ground Water Quality Standards, NCAC, Title 15A, Subchapter 2L, Section .0200 (2L Standards). The detection of chloroform during the October 2003 sampling event is strongly believed to be a result of laboratory contamination since it was not detected before or since this sampling event. The groundwater in the region is classified as GA, and the site has a ranking of 110B. The purpose of this CAP is to recommend remediation of the soil and groundwater until concentrations of the detected compounds reach acceptable limits, at which time closure of the site can be recommended. No free product is present in the area of concern. Soil contamination is limited in scope and magnitude and was found in June 2004 in the area of soil borings SB-9 and SB-14. This contamination consists of 2-chlorotoluene, 1,2-dichloroethane, 1,1-dichloroethene, trichloroethene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloroethene, and vinyl chloride at concentrations in excess of the soil-to-groundwater Maximum Soil Contaminant Concentrations (MSCCs).

1.1 Site Location

The site resides at the former Nello Teer Quarry located at the northern terminus of Denfield Street in Durham, North Carolina (Figure 1). Stone quarry and asphalt plant activities took place at the site from the 1940s until approximately 1995. The NCDOT owned and operated the site until 1951 when it was sold to the Nello Teer Corporation. The NCDOT also formerly operated an asphalt-testing laboratory at the site. The asphalt plant operated until 1990 when it was shut down and removed from the site. Hanson Aggregates acquired the site in the early 1990's. The current site map with recovery and monitoring well locations is presented as Figure 2.

1.2 Summary of Previous Investigations

1.2.1 Soil Investigations

Investigative work completed by Remcor, Inc. (Remcor) in 1990 documented the existence of soil and groundwater contamination at the site. The soil sampling conducted in the vicinity of the area. The original work that was conducted was limited to a soil vapor survey using gas detector (Draeger) tubes and later using an organic vapor detector. Limited laboratory analysis was performed. This work identified the former asphalt plant surroundings as an area of concern and was reported in the Geonetics Comprehensive Site Assessment dated October 1993. Additional soil investigation was subsequently performed as a result of comments forwarded by the former Division of Environmental Management (DEM) following a review of the Geonetics CSA. This work included laboratory analysis of soil samples collected in the vicinity of the former asphalt plant and further identified the extent of the soil contamination at the site.

The CAP submitted by Front Royal Environmental Services, Inc. (Front Royal) to the DEM in September 1995 for this site detailed additional work that had been completed to date. A ground penetrating radar (GPR) project was undertaken to identify buried metal or concrete structures that were presumed to be formerly part of the asphalt plant that was located in this area. Following the completion of the GPR survey, Front Royal excavated areas of interest identified during the GPR survey. A concrete foundation was ultimately removed from the subsurface and excavated soils were stockpiled on site for disposal. Laboratory analysis of composite soil samples collected from the soil stockpile was conducted to permit on-site disposal. While petroleum hydrocarbons were detected as a result of this analysis, no chlorinated solvent residuals were detected in this soil. Subsequently, Front Royal applied for and received a Land Application Permit for the disposal of the stockpiled soil.

In June 2004, Quantum completed a soil investigation in the area of the former asphalt plant to determine the current soil conditions. 15 soil borings were completed above the water table and soil samples were collected for the determination of chlorinated solvent residual content (Figure 3). Boring logs are included in Appendix A. The locations of these soil samples were based on the results of the Remcor and Geonetics investigations previously undertaken at the site. Soil samples were collected at discrete intervals from above the water table and submitted to Environmental Science Corporation, a North Carolina certified laboratory, for analysis using EPA Method 8260 with Method 5035 preparation. The results of this investigation, summarized in Table 1 and included in Appendix B, indicate that limited concentrations of chlorinated solvent residuals were found in borings SB-9 and SB-14 at concentrations above the soil-to-groundwater Maximum Soil Contaminant Concentrations (MSCCs). Boring SB-9 contained 1,2-dichloroethane, 1,1-dichloroethene, trichloroethene, 1,1,2-trichloroethane, tetrachloroethene (PCE) and vinyl chloride at concentrations slightly above their soil-to-groundwater MSCCs. Boring SB-14 contained only 2-chlorotoluene; this compound does not have a MSCC, thus this

concentration is in excess of the standards. Given the limited low-level soil contaminant concentrations that were detected during this sampling event, as well as the fact that the groundwater contamination at the site is also limited in scope and magnitude, no significant soil contamination appears to be present in this area. Figure 4 shows the locations of the soil cross sections included as Figures 5, 6 and 7. These cross sections illustrate the limited extent of the chlorinated solvent contaminated soil at the site.

1.2.2 Groundwater Investigations

Numerous groundwater investigations have occurred at the site using various monitoring wells that have been installed and sampled. In 1989, Remcor sampled water supply well W-1 (now abandoned, but formerly located near present day RW-1) and determined that benzene, ethylbenzene and trichloroethene were present in the well water. Further groundwater investigation was initiated at the site, resulting in the installation of numerous wells as illustrated in Figure 2.

Tables 2 and 3 document the results of the groundwater sampling and analysis that have occurred at the site over time. These tables document the presence of chlorinated solvent residuals at the site and confirm that the plume is limited to the area of the former asphalt plant that is defined by wells MW-25, 25i, 29, 29i, 28D, and 17, as well as RW-5, 6, 7 and 9, as shown on Figure 8. Figure 8 also shows the locations of the cross-sections included as figures 9, 10 and 11 that illustrate the extent of the contaminated groundwater.

Remcor also completed borehole video surveys documenting lithologies and fracture characteristics in W-1. This work determined that major fracture zones were present at depths of 35 to 37 feet, 50 feet, 65 to 70 feet, 79 to 86 feet, 104 feet and at 218 feet below ground surface. Additional work completed by Remcor also determined that vertical gradients were present in W-1 ranging from 0.07 ft/ft to 0.16 ft/ft downward, indicating that this area is an area of groundwater recharge. Remcor indicated that the "degree of interconnectedness of the fracture-controlled flow paths within Well W-1 appears to be high". Finally, Remcor determined a hydraulic conductivity for monitoring well MW-1 (screen interval from 20 to 35 feet below ground surface) of 8.5×10^{-6} cm/sec by conducting a slug injection test. This hydraulic conductivity value is significantly lower than the assumed values used by Front Royal in the 1995 CAP. Front Royal assumed hydraulic conductivity values of 0.38 ft./day (1.34×10^{-4} cm/sec) and 5.0 ft./day (1.765×10^{-3} cm/sec) in the groundwater flow modeling performed to determine the locations of the proposed recovery wells. The rationale for using the assumed values is unknown, but this CAP uses the value actually calculated for monitoring well MW-1 and not the assumed values, as well MW-1 is located within the plume covered by this CAP.

The subsurface lithologies documented by Remcor in well W-1 include Triassic age units composed of interbedded siltstone, fine-grained sandstone and a basal fanglomerate unit. The fanglomerate was present from approximately 115 feet to a depth of 253 feet in well W-1. The fanglomerate is underlain by Paleozoic age metavolcanics composed of felsic to

mafic tuffs and flows. A Triassic Age diabase sill intrudes the metavolcanics. The dip of the Triassic sedimentary hard rock contact is approximately 30 degrees to the southeast. The lithologic information gained during the recent drilling events indicates that the upper portion of the shallow aquifer in the subject area is made up of fill composed of silt and gravel. During the HRC injection event, very unconsolidated materials were encountered in the upper 18 feet of the subsurface. This fill material appears to thin to the south across the site until it is not longer present near the southern parcel boundary. This material is underlain by differing colored Triassic age silts and some clays. This Triassic material gradually increases in consolidation with depth, becoming dense siltstone and mudstone, with some interbedded sandstone. The drilling of MW-28D documented that sandstone is present to a depth of 90 feet. The surface casing for MW-28D was installed to a depth of 40 feet, a depth that was interpreted as 7 feet into competent rock, thus the gradual consolidation of the Triassic age material appears to have produced competent sedimentary rock at a depth of approximately 33 feet in this area.

Currently, Quantum conducts groundwater sampling events twice a year at the site. Samples are typically analyzed using a combination of EPA Methods 601 and 602, as well as 625 in some wells. Table 4 documents the water level measurements obtained in April 2004. These water levels illustrate that the shallow water table flow is toward the south, southeast and southwest with a gradient of 0.025 ft./ft. (Figure 12). The deeper (bedrock) aquifer has a groundwater flow toward the northwest with a gradient of 0.054 ft./ft. (Figure 13). Examination of the data indicates that a vertical groundwater gradient exists at the site. The gradients in well pairs MW-25 and -25i and MW-29 and -29i were both 0.96 ft/ft downward. This information suggests that groundwater recharge is occurring in this area, likely as a result of the marshy area located north of the source area. Table 5 documents the analytical results for the April 2004 sampling event. The samples collected during the April 2004 event were analyzed using EPA Methods 6210D and 625 as well as for lead using Method 3030c preparation.

The information gathered at the site to date indicates that groundwater flow in the upper portions of the aquifer in the subject area is away from the marshy area which appears to be a recharge feature. Thus shallow flow is to the south, southeast and southwest in the subject area. This direction of flow likely exists to a depth of approximately 33 to 35 feet. Deeper groundwater flow has been determined to be to the north toward the quarry pit within the siltstone and sandstone units above the fanglomerate and underlying metavolcanics.

1.3 Remedial Actions Conducted to Date

A Comprehensive Site Assessment (CSA) was submitted by Geonetics, Inc. in 1993 documenting the extent of soil and groundwater contamination at the site.

1.3.1 Soil

During 1995 approximately 200 cubic yards of petroleum-contaminated soil were excavated

as a result of the GPR survey and subsequently spread in the area immediately northeast of RW-5, MW-18 and north of MW-13 (Figure 14). The Land Application Permit proposed that a 3-inch thickness of soil would be applied to an approximately 0.5-acre area. The stockpiled soil was proposed for incorporation into the existing soil, treated with fertilizer, and then fescue seed was proposed to be spread over the surface of the treatment area.

1.3.2 Groundwater

In September 1995 Geonetics submitted a Corrective Action Plan (CAP) describing the active remediation of the petroleum and solvent contaminated groundwater at the site. An Individual National Pollution Discharge Elimination System (NPDES) Permit (number NC00085243) was obtained for the site allowing the discharge of remedial system effluent to a ditch at the site and ultimately into the Eno River. The pump and treat groundwater remediation system described in this CAP was ultimately installed at the site and began operation in October 1997. Table 3 lists the results of the recovery well sample analyses that have occurred since the start of groundwater recovery. The remedial system operated intermittently until September 2003 when it was temporarily shut down. More than 12 million gallons of solvent and petroleum-contaminated groundwater were recovered, treated and discharged as designed. Currently Quantum is anticipating resumption of the groundwater remediation system operation to recover, treat and dispose of petroleum-contaminated groundwater only.

Following the receipt of an Injection Well permit from the DENR, a Hydrogen Release Compound (HRC[®]) pilot study injection event took place in a 40-foot by 40-foot grid centered on MW-29 and MW-29i during the week of February 17, 2003 (Figure 15). This pilot study was conducted to determine the effects of injecting this material into the subsurface to treat the chlorinated solvent plume present in this area. Three thousand pounds of HRC[®] were injected into the subsurface through a total of 25 injection points (Figure 16). Approximately half of the injection points were 33 feet deep and the remaining injection points were 18 feet deep. Prior to the injection event, recovery wells RW-5, 6, 7 and 9 were shut off (except to collect samples), to maximize the effects of the HRC[®] on the aquifer. Following the injection event, Quantum sampled MW-18, 25, 25i, 29, 29i and RW-5 according to the monitoring schedule established during the permitting of the HRC[®] injection event. This additional sampling allowed Quantum to closely monitor the responses of the contaminants present in the aquifer to the addition of HRC[®].

In general, the HRC[®] has effectively degraded all of the chlorinated solvent residuals in the area of the pilot study to vinyl chloride, the final toxic daughter product in the chlorinated solvent breakdown chain. It is anticipated that the concentrations of vinyl chloride that are currently present at the site will decrease over time as the processes of natural attenuation continue.

Tables 2 and 3 document the reduction in contaminant concentrations in the monitoring and recovery wells at the site that occurred as a result of the operation of the groundwater remediation system prior to September 2003, and since that time as a result of the HRC[®]

pilot study injection event. The chlorinated solvent residuals formerly present at concentrations above the 2L Standards in deep wells such as RW-1 and MW-20D were likely due to the pumping of groundwater from recovery wells south of the current plume.

Currently, no active groundwater recovery is occurring at the site. The final groundwater sampling event designed to monitor the effects of the HRC[®] pilot study occurred on January 14, 2004. A report documenting the results of the HRC[®] injection event pilot study was submitted to the DENR-Office of Underground Injection Control in March 2004.

1.4 Previous Reports

Reports previously submitted to the former Division of Environmental Management or the DENR, Division of Waste Management- UST Section and the Division of Water Quality-Groundwater Section for this site include the following:

- *Comprehensive Site Assessment*, dated October 28, 1993;
- *Corrective Action Plan*, dated December 3, 1993;
- *Corrective Action Plan Addendum*, dated September 29, 1995;
- *System Enhancement Recommendations Report*, submitted April 18, 2000;
- *Comprehensive Site Assessment Addendum*, dated March 29, 2002;
- *System Enhancement Recommendations Report*, submitted September 26, 2002;
- *HRC[®] Pilot Study Report*, submitted March 24, 2004.

Multiple Groundwater Monitoring Reports have been submitted including,

- *August 1994 Monitoring Report* submitted February 8, 1995;
- *January 1995 Monitoring Report* submitted February 20, 1995;
- *April 1995 Monitoring Report* submitted June 6, 1995;
- *March 1996 Monitoring Report* submitted April 22, 1996;
- *October 1996 Monitoring Report* submitted December 2, 1996;
- *December 1997 Monitoring Report*, submitted February 1998;
- *May 1998 Monitoring Report* submitted August 1998;

- *June 1999 Monitoring Report* submitted November 11, 1999;
- *Semi-Annual Groundwater Monitoring Report, December 1999 Sampling Event*, submitted January 11, 2000;
- *Semi-Annual Groundwater Monitoring Report, June 1999 Sampling Event*, submitted November 17, 1999;
- *Semi-Annual Groundwater Monitoring Report, June 2000 Sampling Event*, submitted August 15, 2000;
- *Semi-Annual Groundwater Monitoring Report, December 2000 Sampling Event*, submitted May 7, 2001;
- *Semi-Annual Groundwater Monitoring Report, June 2001 Sampling Event*, submitted November 12, 2001;
- *Semi-Annual Groundwater Monitoring Report, December 2001 Sampling Event*, submitted April 24, 2002;
- *Semi-Annual Groundwater Monitoring Report, June 2002 Sampling Event*, submitted July 7, 2002;
- *Semi-Annual Groundwater Monitoring Report, September 2002 Sampling Event*, submitted October 25, 2002;
- *Semi-Annual Groundwater Monitoring Report, April 2003 Sampling Event*, submitted May 27, 2003;
- *Semi-Annual Groundwater Monitoring Report, October 2003 Sampling Event*, submitted November 26, 2003;
- *Semi-Annual Groundwater Monitoring Report, April 2004 Sampling Event*, submitted June 4, 2004.

The latest groundwater elevation maps prepared for the site following the October 2003 sampling event are included as Figures 12 and 13. The cross-sections included in the CSA for the site have been updated to include the most recent information. The locations of the contaminated soil and groundwater cross-sections are shown in Figures 4 and 8, and the cross-sections themselves are included as Figures 5, 6, 7 and 9, 10 and 11. The field parameters collected during the January 2004 HRC[®] monitoring event are included as Table 6.

Land Application Permit (No. SR0500101) was issued by the Division of Environmental Management on December 28, 1995 for the land application of 200 cubic yards of contaminated soil at conventional rates.

1.5 Potential Receptor Information

The site and immediate vicinity is served by private water wells. No municipal water is currently available in the area near the site. Formerly, five on-site water supply wells served the facility; currently no wells are present at the site. Residential properties along Denfield Street south and southwest of the site utilize groundwater for drinking water sources. An updated sensitive receptor survey was completed for this site in December 2001 and included in the March 2002 *Comprehensive Site Assessment Addendum* submitted to the DENR UST Section. This information has been updated again to reflect the solvent source area and are summarized in Table 7. Nine wells were identified within 1,500 feet of the presumed source area for the chlorinated solvent groundwater contamination (Figure 17). The closest of these is located 700 feet south of the source area. All of the supply wells are downgradient of the surficial aquifer but topographically higher than the source area. These wells are also upgradient of the deep aquifer at the source area.

Section 3.2.3.2 details modeling of the shallow aquifer that was completed to simulate the breakdown of the groundwater contaminants at the site. This modeling also illustrates that the receptors down gradient of the site are at little risk of recovering the limited concentrations of solvent residuals that remain at the site. Vinyl chloride is the main solvent residual that is currently present at the site. Aziz et al (2000) indicate that vinyl chloride is not likely to spread beyond the parent product plume or to form the longest contaminant plume at a site. They conclude that since vinyl chloride degrades slowly via the process of reductive dechlorination, other processes of degradation (natural attenuation) are acting to prevent the spread of vinyl chloride. They also conclude that vinyl chloride is less likely to reach downstream receptors than trichloroethene and cis-1,2-dichloroethene. In summary, the modeling discussed in Section 4.1.5 indicates that no chlorinated solvent compound present in the groundwater in this area is likely to impact the supply wells identified in the search area.

1.5.1 Surface Water

A quarry pond currently occupies the quarry pit, located less than 100 feet north of the source area (see Figure 2). A marshy area, constructed during site grading activities, occupies the northern portion of the area covered by this CAP. This marsh seems to act as a recharge zone for the surficial aquifer in this portion of the site. The majority of the site's stormwater drains into an unnamed creek that feeds into the Eno River 2,000 feet north of the source area (See Figure 1). A constructed wetland is located approximately 1,500 feet east of the source area. The discharge from this wetland feeds into the Eno River and serves as the main discharge point for surface water for the entire southwest and south central portions of the property.

The water in the quarry pond was sampled in July 2004. A boat was used to collect samples as close to the solvent source area as possible along the southern wall of the quarry pit. A Kemmerer bottle sampler was utilized to collect discrete depth water samples at depths of 25 and 65 feet from within the standing water column. The sample collected at a depth of 25 feet was collected approximately 15 feet from the quarry wall, while the deeper sample was collected from a location approximately 50 feet northwest of the quarry wall. A dip sample was also collected at the surface immediately adjacent to the wall of the quarry. These samples were submitted under Chain-of-Custody procedures to an independent State-certified laboratory for analysis using EPA Method 6210d. The results of this sampling are included in Appendix C and indicate that no compounds were detected in any of the three samples analyzed.

1.5.2 Identification of Subsurface Structures

No significant subsurface structures have been identified in the subsurface at the site, with the exception of competent bedrock located at an average depth of approximately 18 feet. The only underground utilities that are present in the area of the solvent plume are City of Durham water mains containing raw (untreated) water located south of the plume area (see Figure 2). Two former water lines are also present in this area but they were capped presumably at the junction shown in Figure 2 in the past to permit expansion of the quarry and are no longer in service.

1.5.3 Potential Impacts and Pathways

Based on repeated surveyed water level measurements, the shallow groundwater flow direction is toward the south, southeast and southwest (Figure 12). Deep groundwater flow across the area of investigation has been determined to be to the north, toward the quarry (Figure 13). The nearest groundwater receptor may be the quarry pond. The site is bounded to the north and northwest by the quarry pond, the Eno River, and recently developed residential neighborhoods. The subject site and properties to the south along Denfield Street and Communications Drive are currently serviced by private water wells.

As discussed in Section 1.5 above, the supply well receptors located south of the site are not likely to be affected by the migration of solvent residuals in the shallow groundwater. The quarry pond to the north of the subject area is likely to be the recipient of groundwater from within the deep aquifer at the site. Given the concentrations of solvent residuals present in the groundwater, as well as the low flow of groundwater expected to enter the quarry, and the volume of water currently present in the quarry pit (hundreds of thousands of gallons), the impact of the solvent residuals on the surface water in the quarry pit is expected to be negligible.

1.5.4 Identification of Adjacent Property Owners

Adjacent property owners to the site are all additional Hanson Aggregates tracts, including those listed as being owned by Central Engineering and Contracting (Figure 18). All of the surrounding parcels except one are part of the former quarry site and are listed in Table 8. A table summarizing down-gradient property owners is included as Table 9.

2.0 OBJECTIVES OF THE CORECTIVE ACTION PLAN ADDENDUM

The overall goals of implementation of this CAP Addendum are as follows:

- To cost-effectively reduce, prevent, and/or mitigate the migration of contaminants to non-impacted areas and off-site properties; and to reduce or eliminate potential risk to the public health and well-being.
- To reduce groundwater contaminant levels to the concentrations established in the NC Ground Water Classification Standards, or to levels that can be demonstrated as the best obtainable using economically and technically feasible remedial methods.
- To remediate soil contamination to the soil-to-groundwater Maximum Soil Contaminant Concentrations (MSCC) or detection limits for those compounds without established MSCCs.

2.1 Target Cleanup Concentrations

Quantum anticipates that remediation of the chlorinated solvent soil contamination will continue until the detected concentrations are below the established soil-to-groundwater MSCCs or detection limit for those compounds without established MSCCs. These standards, as well as the results of the June 2004 sampling event are included in Table 1.

Remediation of the solvent residual groundwater plume in the subject area will continue until the concentrations of the chlorinated solvent residual contaminants are reduced to the 2L Groundwater Standards, or asymptote. These standards, as well as the results of the latest sampling event, are included in Tables 2 and 3.

3.0 EVALUATION OF REMEDIAL ALTERNATIVES

In order to meet the objectives of this CAP Addendum as discussed in Section 2.0 above, appropriate remediation of the low concentrations of chlorinated solvent soil and groundwater contamination present at the site must take place.

3.1 Soil Remedial Options

Table 10 lists three potential methods of feasibly remediating the solvent-contaminated soil identified during the June 2004 soil sampling. This table examines the feasibility, disposal and estimated cost, as well as the advantages and disadvantages, of each method of remediating the soil that is reviewed.

3.1.1 Excavation and Off-site Disposal

The limited soil contamination could be excavated from the site fairly easily. This method of remediation would be quick and effective. Estimating the area of the contaminated soil in the vicinity of borings SB-9 (a maximum of 37.5 feet by 37.5 feet by 5 feet deep) and SB-14 (20 feet by 20 feet by 4 feet deep) yields a total of approximately 325 cubic yards of contaminated soil for disposal. Given the dense nature of the soils in this area this soil could be excavated and transported to a permitted disposal facility in approximately three days. Backfill material could be obtained on-site. The cost of excavating and disposing 325 yards of solvent contaminated soil is estimated to be approximately \$70,000.00 including consultant's fees and the TCLP and other laboratory analyses required for disposal.

Following completion of the excavation, confirmation soil samples would be collected from each excavation and submitted to an independent State-certified laboratory for analysis using EPA Method 8260.

3.1.2 Soil Vapor Extraction

The volatile nature of the chlorinated solvent residuals remaining at the site make them excellent candidates for remediation via soil vapor extraction (SVE). The relatively high Henry's Law Constants for the compounds detected in the soil indicates that they will volatilize fairly easily. The limited extent of the contaminated soil in this area would also reduce the difficulty of using SVE in this area. The fact that the two areas of concern are approximately 150 feet apart is troubling, however active remediation of the area around SB-14 is likely not required and SVE could be used to remediate the area only around SB-9. The shallow water table in this area would result in vapor wells that would only be 5 feet deep. The dense nature of the soil in this area would slow the time needed to remediate the soil, and would likely result in short very radii of influence for the vapor wells.

In summary, the use of SVE is technically feasible in this area but would require a fairly dense network of vapor wells. It is estimated that the design, installation, operation, supervision and sampling and other required tasks would cost approximately \$110,000.00 and take two to three years from inception to complete the remediation of the site.

3.1.3 *Natural Attenuation*

Natural attenuation of the solvent contaminated soil appears feasible given the minor concentrations of soil contamination that are present. According to Wiedemeier et al (1999), vinyl chloride and dichloroethene in soil can degrade via direct aerobic oxidation, and trichloroethene, dichloroethene, vinyl chloride, 1,1,1-trichloroethane, 1,2-dichloroethane and chloroethane can all degrade via aerobic cometabolism. It is likely that either or both of these processes are occurring in the soil at the site, and that they can effectively degrade the minor concentrations of solvents reported in the samples collected. Tetrachloroethene appears to be the only compound that may not easily degrade in an aerobic environment. Thus, remediation of the limited concentrations of this material present may require a longer time frame than for those compounds that will degrade aerobically.

In order to determine if natural attenuation is working effectively at the site, soil sampling would need to be performed periodically to monitor the concentrations of the subject compounds present. This sampling could be conducted every two years, and a maximum of three soil samples would be required to be collected during each sampling event. These samples would be collected according to established protocols and samples would be submitted under chain-of-custody procedures to a State-certified laboratory for analysis using EPA Method 8260 for volatile organic compound determination. Given the dense nature of the soil in this area a drill rig would be necessary for collecting the samples. It is estimated that performing such a sampling event would cost approximately \$3,000.00 per event. If these events occur every two years, the cost to conduct five events over a 10-year time period would be approximately \$15,000.00. While the 10-year time frame is assumed, if additional time is required to achieve the required levels of solvent residuals, the relatively low cost of such events still makes this approach reasonable.

3.2 **Groundwater Remedial Options**

Table 11 examines three possible methods of feasibly remediating the solvent contaminated groundwater at the site. This table evaluates the feasibility, disposal options, advantages versus disadvantages, and cost estimates for each method of groundwater remediation examined. The first option evaluated is groundwater pumping and treatment, the second option is remediation of the groundwater contaminants by injecting HRC[®] into the subsurface, and the third remedial option is through the processes of natural attenuation. These remediation technologies were evaluated based on their proven ability to remediate groundwater, their cost effectiveness, the site conditions, and ability to be implemented. The installation costs include labor, equipment, and fieldwork. The yearly operation and maintenance costs for further operation of the pump-and-treat system are based on historical rates for the operation of the existing remedial system.

3.2.1 Groundwater Remediation Using Pump and Treat Technology

A groundwater pump and treat system is present at the site and has been in operation since 1995. This system has treated in excess of 12 million gallons of petroleum and solvent contaminated water and currently consists of 10 recovery wells (five in the chlorinated solvent plume), an oil/water separator, a chemical feed pump for injecting a polymer into the transfer tank to minimize the precipitation of iron in the treatment system, an air stripper, and two carbon canisters. Miscellaneous pumps, flow meters, and other equipment are also present.

While this system has performed well in reducing the concentrations of petroleum compounds in the groundwater at the site, it has been less effective in reducing the concentrations of chlorinated solvents present in the groundwater (see Tables 2 and 3, MW-25, MW-20d, and RW-9 for the years prior to the HRC[®] injection event in February 2003). The costs to operate and maintain the system have been substantial, and the chronic-toxicity testing required under the existing NPDES individual permit has been problematic due to periodic testing failures. Chronic-toxicity testing is required due to the presence of solvent residuals in the groundwater in this area. Options for the disposal of the system effluent at the site are extremely limited. Currently the system discharges into a stormwater ditch that ultimately discharges into the Eno River. Onsite disposal of this water is not possible as the widespread presence of shallow rock in the subsurface likely effectively prevents the use of spray discharge, treatment lagoons, or a subsurface infiltration gallery to efficiently treat the volume of water produced. Off-site treatment is also limited as no sewer system access is currently present in this area.

The cost to operate the pump-and-treat system, including maintenance, sampling, permit compliance, related fieldwork and the replacement of parts is estimated to be approximately \$ 5,000.00 per month, plus a monthly electrical cost of \$ 300.00, for a total of approximately \$5,300.00/month or \$63,600.00 per year.

3.2.2 HRC[®] Injection

The results of the HRC[®] injection event pilot study conducted in February 2003 and monitored through January 2004 indicate that the injection of HRC[®] is a technically feasible means of treating the solvent contamination in the groundwater at the site. HRC[®] works by using lactic acid to provide excess hydrogen molecules for the dechlorination of the chlorinated solvent residuals present. This dechlorination accelerates the degradation of the solvent compounds from PCE to TCE to vinyl chloride to the final non-toxic daughter product, ethene.

HRC[®] injection events are extremely expensive. The HRC[®] pilot study completed by Quantum cost approximately \$75,000 to complete including the subsequent groundwater sampling and report preparation as well. In addition, the process of obtaining the required Injection Well permit is rather lengthy, on the order of 12 months. Injection of the material into the dense aquifer at the site would be difficult and migration of the HRC[®] would be

slow, possibly decreasing its effectiveness. The cost of conducting a HRC[®] injection event with the goal of reducing all contaminant levels below 2L Standards for the entire chlorinated solvent contaminant plume including acquiring the injection permit and performing the post event sampling and report preparation is likely to cost approximately \$160,000.

3.2.3 *Natural Attenuation*

Natural attenuation of chlorinated solvents is a proven process that can be used to effectively reduce the groundwater contaminant levels to concentrations below the 2L Standards. According to Weidemeier et al (1997), "the U. S. Environmental Protection Agency's Office of Research and Development and Office of Solid Waste and Emergency Response define natural attenuation as:

The biodegradation, dispersion, dilution, sorption, volatilization, and/or chemical and biochemical stabilization of contaminants to effectively reduce contaminant toxicity, mobility, or volume to levels that are protective of human health and the ecosystem."

The Teer site was evaluated to determine if natural attenuation was a feasible process for the site.

3.2.3.1 *Bioattenuation Screening Process*

The Bioattenuation Screening Process contained in Wiedemeier et al, 1998 was completed to determine if the site is a good candidate for natural attenuation. The screening process was completed using site specific data collected following the HRC[®] pilot study. Monitoring wells MW-18 and MW-29 were also sampled for hydrogen on April 28, 2004 using the gas-stripping sampling method developed by Microseeps, Inc. MW-29 is within the chlorinated solvent plume in this area and ME-18 is the monitoring well up gradient of the chlorinated solvent plume. The results of this sampling event indicate that hydrogen was present in MW-29 2.7 nano-mole (nM) and in MW-18 at 2.2 nM. These concentrations indicate that the breakdown of the chlorinated solvent residuals is likely to occur at the site. The analytical results are included in Appendix D. Table 12 lists the other factors included in the Bioattenuation Screening Process as well as the values incorporated for this site. The overall score determined using this process for this site was 16 points although a higher score may have been possible if the detection limits for the volatile fatty acids and ethane and ethane were lower. This score, according to Wiedemeier et al, 1998, indicates that there is "adequate evidence for anaerobic biodegradation (reductive chlorination) of chlorinated organics" for this site.

The only expense associated with natural attenuation is the annual sampling and report preparation described in Section 5.5. It is anticipated that these costs will be less than \$10,000/year.

3.2.3.2 *BIOCHLOR 2.2 Modeling*

Groundwater modeling utilizing BIOCHLOR version 2.2 was completed for the site. BIOCHLOR is a screening model available from the U. S. Environmental Protection Agency that is used to simulate natural attenuation of chlorinated solvent contaminated groundwater. This model is generally accepted for two-dimensional simulation of chlorinated solvent migration and degradation. Most of the required input variables were selected from site-specific information. In order to maximize the safety of this modeling effort, the variables that were selected for use were very conservative. Given the concentrations of contaminants present and the relative potential for negative impacts, vinyl chloride was selected as the contaminant of interest for this modeling effort. The source of the vinyl chloride was selected as the area of monitoring well MW-25, the well that contained the highest concentration of vinyl chloride during the April 2004 sampling event. The modeling was limited to the shallow aquifer at the site, as this aquifer has been documented to flow to the south, southeast and southwest, towards the groundwater receptors identified in Section 1.5 above. The deep aquifer was not modeled because it has been documented to flow to the north, away from the identified receptors, and towards the quarry pit at the site. In addition, flow in the deep aquifer is likely controlled by fractures present in the rock, as a result, it would not be accurate to use this model to simulate the deep aquifer at the site.

Table 13 contains all of the site specific information that was incorporated into the model by Quantum. The conductivity value used for the model was derived from a slug test completed by Front Royal Environmental Services, Inc. on monitoring well MW-1. This well is screened within the shallow aquifer and is located immediately adjacent to the chlorinated solvent plume, thus it is very likely representative of conditions within the solvent plume. An effective porosity of 0.3 was used, a conservative value for this modeling application since the porosity of the dense shallow aquifer is likely to be lower. The remaining variables used in the model are listed in Table 13.

Appendix E contains copies of the plots generated by the BIOCHLOR model. These plots demonstrate that no vinyl chloride, or any other chlorinated solvent present at the site, should be detected approximately 100 feet down-gradient of the source area (assumed to be near MW-25). Monitoring wells MW-7 and MW-1 are both approximately 115 feet down-gradient of MW-25. Neither of these wells has contained any chlorinated solvents since monitoring of them was initiated. This modeling indicates that no off-site migration of solvent residuals is anticipated in this area within the fifteen year time frame examined. A longer period of time (100 years) produced similar results. Thus, natural attenuation appears to be a safe method of remediating the remaining chlorinated solvent groundwater contamination.

4.0 RECOMMENDATION AND RATIONALE FOR SELECTION

The main consideration of this CAP Addendum is to protect human health and natural resources within practical engineering and economic limitations. Limited low-level soil contamination remains at the site and is not likely a threat to the public health or the environment. Previous investigations have revealed the presence of groundwater contamination in excess of the 2L Standards. Substantial remediation of the groundwater contamination at the site has been accomplished utilizing the pump-and-treat system present as well as the recently completed HRC[®] pilot study. Continued operation of the pump-and-treat system is unwarranted for several reasons, including the cost of maintenance and upkeep of the system. Remediation of the remaining low-level groundwater contamination using a feasible, cost-effective approach is warranted.

5.0 PROPOSED CORRECTIVE ACTION PLAN

5.1 Selection of Recommended Method of Soil Remediation

Given the low concentrations of solvent residuals documented during this investigation, as well as the limited areas in need of remediation, in addition to the fairly low levels of groundwater contamination present in this area, natural attenuation of the soil contamination appears justified. This process should occur until closure of the site can be achieved.

5.2 Selection of Recommended Method of Groundwater Remediation

As a result of the substantial decrease in contaminant concentrations observed over the past year for the monitoring wells in the area of the chlorinated solvent plume as a result of the HRC[®] pilot study, and the desire to remediate groundwater contamination in the most cost-effective method available, as well as the fact that the remaining groundwater contamination is limited in extent and is highly unlikely to reach the receptor present in the area, it is recommended that the contaminants at the site be allowed to undergo the processes of adsorption, dispersion, dilution, volatilization and chemical or biological stabilization, which when combined together are termed "natural attenuation", pursuant to the requirements of 15A NCAC 2L.0106 (I). This remediation should continue until groundwater quality reaches the 2L standards or asymptote, at which time closure activities for the site can be implemented.

5.3 Notification Requirements

As required under Title 15A NCAC 2L .0114(b), notification letters have been sent via certified mail to the Durham County Health Director, the Durham County Manager, the Durham City Manager, and the adjacent property owners and water supply well owners down gradient of the contamination plume, listed in Tables 7 and 8. Copies of these notification letters are provided as Appendix F. Since Hanson Aggregates, or affiliated

companies, own the majority of the adjoining parcels of land, a copy of the entire CAP Addendum will be supplied to them and no notification letters will be sent.

5.4 Site Limitations

Data presented in this CAP Addendum represent isolated data points. Conclusions of this CAP Addendum, including maps and calculations, are based on extrapolations between data points and on subjective hydrogeologic, soils, and geologic interpretation, and therefore may not be completely representative of all conditions in the study area.

Recommendations of this CAP Addendum are based on the available data, collected within the budgetary constraints of the original proposal. It is the premise of this effort that the information collected and analyzed is representative of a reasonable effort to understand and solve the existing problem. No guarantee is expressed or implied that new or additional data will not be required at a later time.

5.5 Site Monitoring, Evaluation, and Reporting

5.5.1 Soil

Soil sampling and analysis will occur every two years following submittal of this CAP Addendum. This will be accomplished by limited soil sampling in the vicinity of soil boring SB-9 and SB-14. Samples will be collected in the vicinity of SB-9 to a depth of approximately 4 feet. A sample will be collected from the vicinity of boring SB-14 at a depth of three feet or less. The samples collected will be submitted to an independent State certified laboratory for analysis using EPA Method 8260 for volatile organic compound analysis. This will continue until the concentrations of residual solvent compounds are beneath the soil-to-groundwater MSCC concentrations or detection limits, whichever pertains.

5.5.2 Groundwater

Once the CAP Addendum is submitted, the groundwater monitoring program already in place at the site will continue with some modifications. The monitoring currently consists of sampling all monitoring wells at the site twice a year. The samples collected are analyzed using EPA Methods 601, 602 and 625 depending upon the historical analytical results for each monitoring well. In order to evaluate the effectiveness of this CAP Addendum, following remediation of the petroleum-contaminated groundwater present at the site as a result of leakage from the former UST system, Quantum will continue to sample the following monitoring and recovery wells once per year for analysis using EPA Method 6210d:

Monitoring Wells MW-1, 7, 11, 13, 17, 18, 20d, 25, 25i, 28d, 29i and

Recovery Wells RW-1, 5, 6, 7 and 9.

Field parameters for pH, dissolved oxygen and oxygen reduction potential may also be collected for each well sampled.

Using the parameters listed in section 1.2.2 above, according to Darcy's Law the groundwater velocity for the shallow aquifer is approximately 0.73 feet/year. Since MW-20D is the monitoring well in the monitoring network that is closest to the nearest receptor (which is approximately 475 feet away), this velocity indicates that it will take approximately 650 years for groundwater to reach the nearest receptor from the MW-20D location. Thus, it would take even longer for groundwater from the source area to reach the nearest receptor. Finally, this groundwater velocity indicates that groundwater would take approximately 175 years to reach the property line from monitoring well MW-20D, assuming no recovery of groundwater is occurring in wells RW-2, 3, 8 or 10.

After five years of annual sampling, the frequency of groundwater sampling will be reduced to sampling every other year. The results of each sampling event will be evaluated to verify the effectiveness of the natural attenuation process and adjustments will be made if warranted. Reports summarizing each sampling event with laboratory results will be prepared and submitted to the Raleigh Regional Office of the Groundwater Section after each event. In summary, this monitoring plan is expected to facilitate the delineation of the contaminant plume and insure the safety of off-site receptors.

6.0 PERMITS

6.1 Monitoring Well

If any additional monitoring wells are required to track the changes in the plume over time, all necessary permit applications will be submitted to the NCDENR for approval prior to installing the wells.

6.2 Access Agreements

If it becomes necessary to encroach on adjacent property for groundwater monitoring purposes, approval and consent from private property owner(s) will be obtained prior to any monitoring activities.

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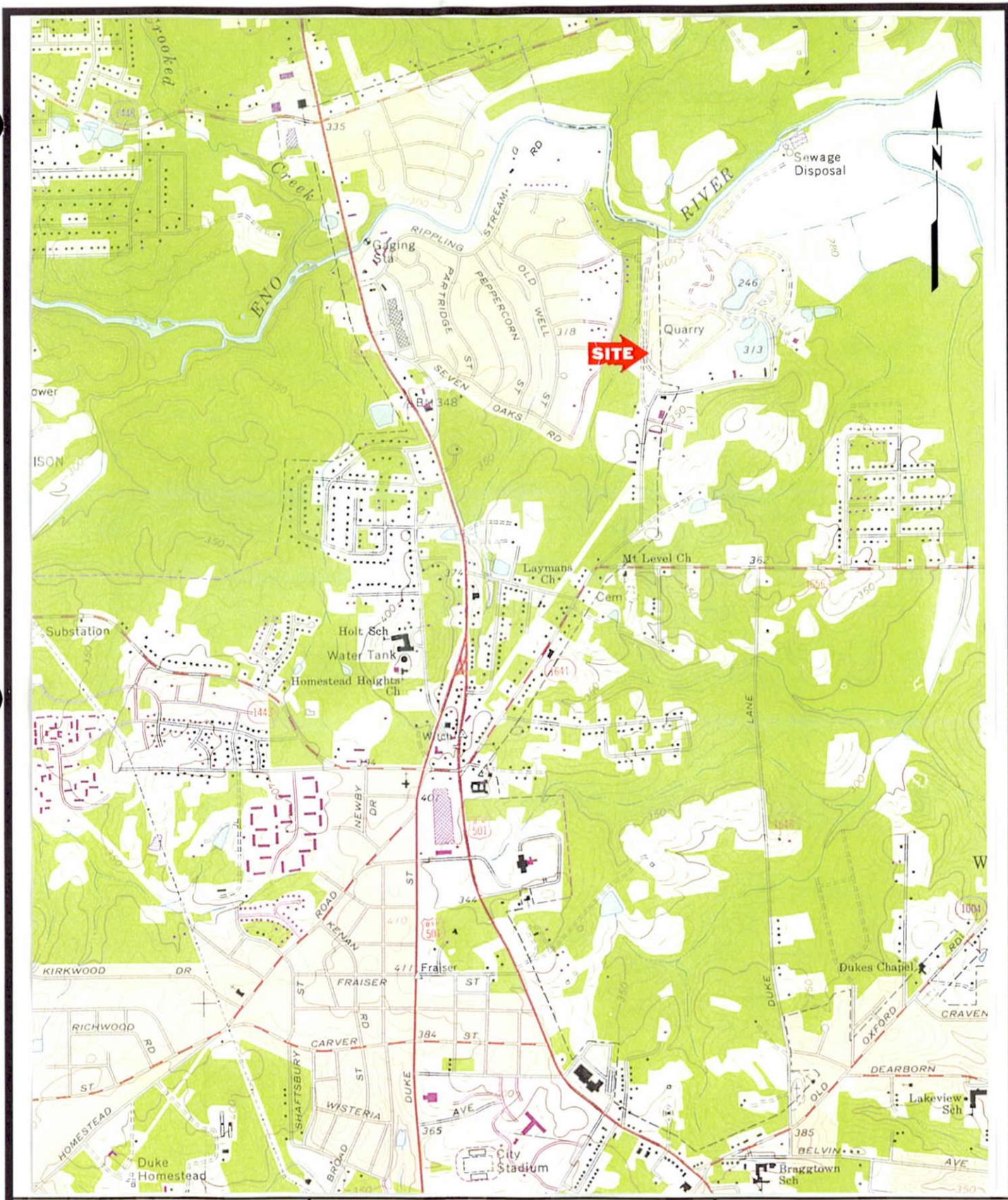
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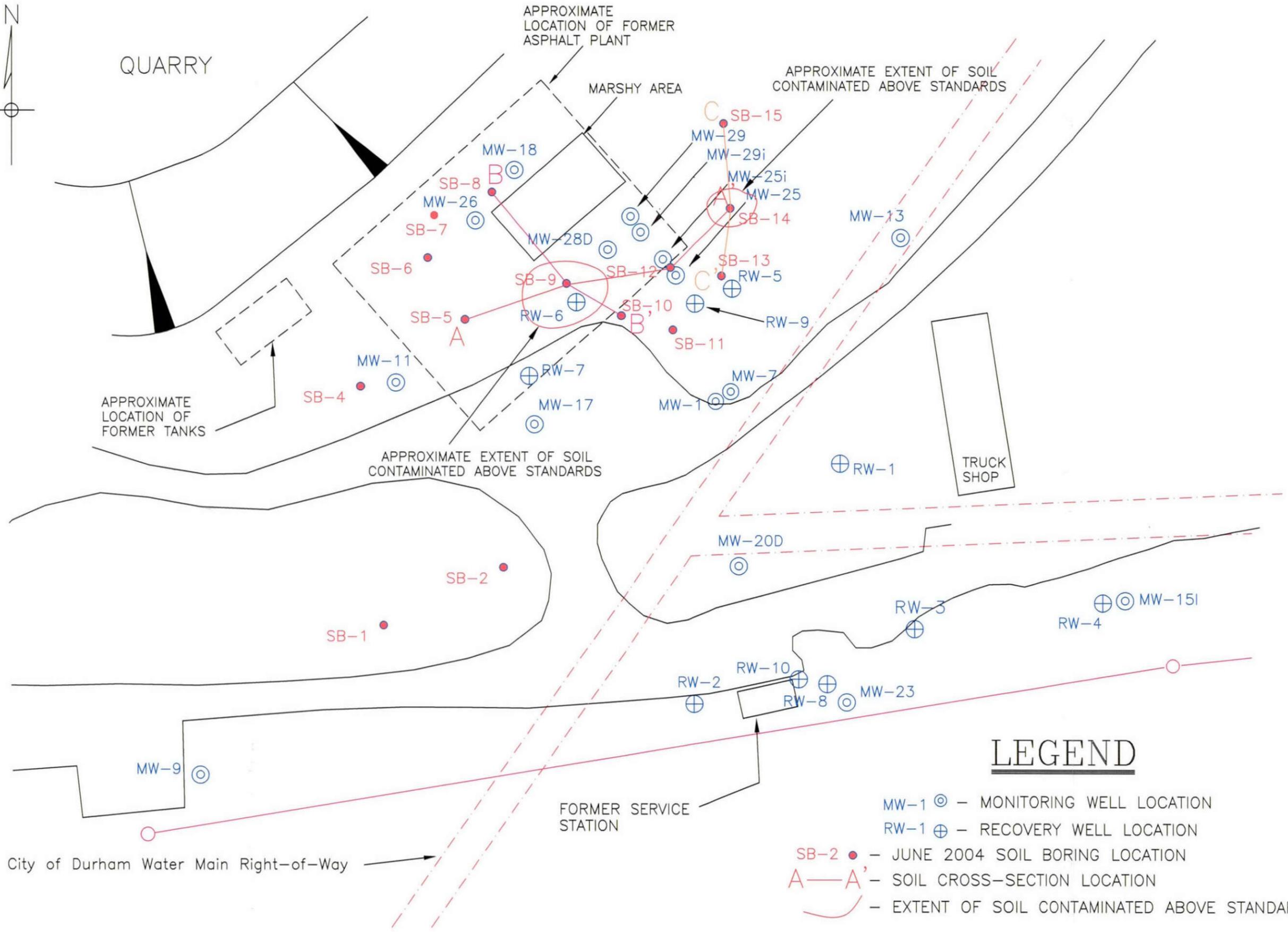
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Site Location Map
Nello Teer Quarry
5013 Denfield St.
Durham, NC
 Ref: NW Durham Quadrangle

	Environmental, Inc. 6001 Chapel Hill Road, Suite 108 Raleigh, NC 27607 Phone: (919) 852-3595 Fax: (919) 852-1997
--	---

FIGURE 1
SCALE: 1" = 2000'
Proj. No.: 0013-94-012



LEGEND

- MW-1 ⊙ - MONITORING WELL LOCATION
- RW-1 ⊕ - RECOVERY WELL LOCATION
- SB-2 ● - JUNE 2004 SOIL BORING LOCATION
- A—A' - SOIL CROSS-SECTION LOCATION
- - - - - EXTENT OF SOIL CONTAMINATED ABOVE STANDARDS

Quantum ENVIRONMENTAL, INC.
 6001 Chapel Hill Rd. Suite 108
 Raleigh North Carolina 27607
 Phone: (919) 852-3595 Fax: (919) 852-1997

AREAL EXTENT OF SOIL CONTAMINATION
 AND CROSS-SECTION BASE MAP
 FORMER NELLO TEER QUARRY
 DURHAM, NC

Revisions									

Project No.		0013-94-012	
SCALE: 1" = 75'			
DWN	CHK	CLIENT APPROVAL	
DATE	DATE	DATE	DATE
11	04		

FIGURE 4

WEST

EAST

SB-5

SB-9

SB-12

SB-14

A

A'

BDL

1,1-DCE	0.036	MG/KG
1,1-DCA	0.019	MG/KG
CIS	0.0083	MG/KG
TCE	0.08	MG/KG
TCA	0.033	MG/KG
1,2-DCA	0.0023	MG/KG
1,1,2	0.0021	MG/KG
PCE	0.0085	MG/KG
1,1-DCA	0.050	MG/KG
CIS	0.042	MG/KG
TCE	0.12	MG/KG
TCA	0.023	MG/KG
1,2-DCA	0.014	MG/KG
1,1,2	0.0096	MG/KG
PCE	0.016	MG/KG
VC	0.0034	MG/KG
1,1-DCE	0.11	MG/KG

BDL

2 0.0031 MG/KG

BDL

APPROXIMATE LIMIT OF SOIL CONTAMINATION ABOVE STANDARDS

APPROXIMATE LIMIT OF SOIL CONTAMINATION ABOVE STANDARDS

LEGEND

- SB-9 SOIL BORING
- 6/04 SOIL SAMPLE ANALYTICAL RESULTS
- ALL ANALYTES BELOW DETECTION LIMITS
- TCA 1,1,1-TRICHLOROETHANE CONCENTRATION
- TCE TRICHLOROETHENE CONCENTRATION
- 1,1-DCE 1,1-DICHLOROETHENE CONCENTRATION
- 1,1-DCA 1,1-DICHLOROETHANE CONCENTRATION
- 1,2-DCA 1,2-DICHLOROETHANE CONCENTRATION
- CIS CIS-1,2-DICHLOROETHYLENE CONCENTRATION
- PCE TETRACHLOROETHENE CONCENTRATION
- 1,1,2 1,1,2-TRICHLOROETHANE CONCENTRATION
- CIS CIS-1,2-DICHLOROETHYLENE CONCENTRATION
- 2 2-CHLOROTOLUENE CONCENTRATION
- VC VINYL CHLORIDE CONCENTRATION
- CONCENTRATION ABOVE STANDARDS
- LIMIT OF SOIL CONTAMINATION ABOVE STANDARDS

SCALE:

HORIZONTAL: 20 Feet

VERTICAL: 1 Foot

ALL RESULTS IN MG/KG.
RESULTS FROM JUNE 2004.

Quantum ENVIRONMENTAL, INC.
 6001 Chapel Hill Rd., Suite 108
 Raleigh North Carolina 27607
 Phone: (919) 852-3595 Fax: (919) 852-1997

FIGURE 5

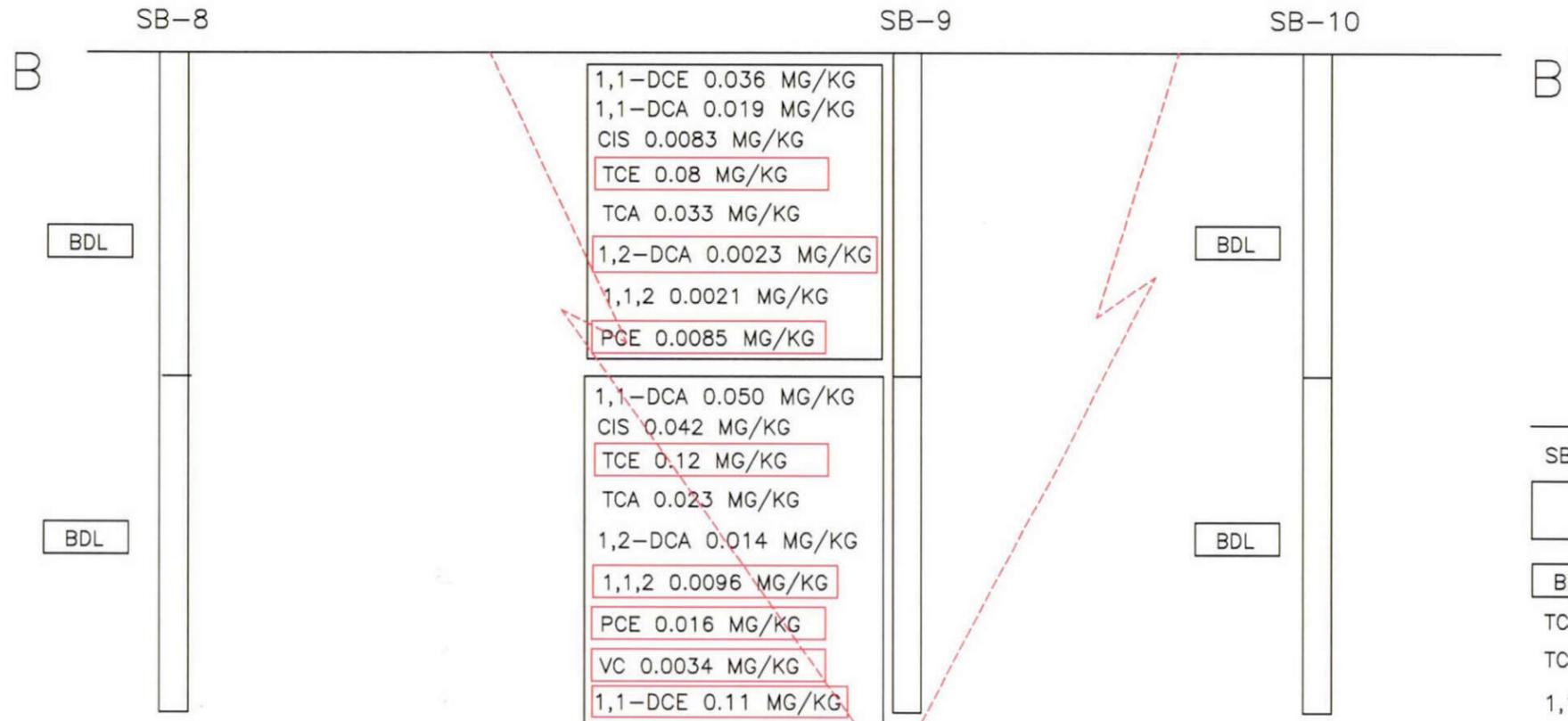
SOIL CONTAMINATION CROSS
 SECTION A - A'
 FORMER NELLO TEER QUARRY
 DURHAM, NC

Revisions									
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Project No.		
0013-94-012		
SCALE: SHOWN		
DWN DATE	CHK DATE	CLIENT APPROVAL DATE
12 01		

NORTHWEST

SOUTHEAST



APPROXIMATE LIMIT OF SOIL CONTAMINATION ABOVE STANDARDS

SCALE:

HORIZONTAL: 20 Feet

VERTICAL: 1 Foot
0

ALL RESULTS IN MG/KG.

RESULTS FROM JUNE 2004.

LEGEND

- SB-9 SOIL BORING
- 6/04 SOIL SAMPLE ANALYTICAL RESULTS
- BDL ALL ANALYTES BELOW DETECTION LIMITS
- TCA 1,1,1-TRICHLOROETHANE CONCENTRATION
- TCE TRICHLOROETHENE CONCENTRATION
- 1,1-DCE 1,1-DICHLOROETHENE CONCENTRATION
- 1,1-DCA 1,1-DICHLOROETHANE CONCENTRATION
- 1,2-DCA 1,2-DICHLOROETHANE CONCENTRATION
- CIS CIS-1,2-DICHLOROETHYLENE CONCENTRATION
- PCE TETRACHLOROETHENE CONCENTRATION
- 1,1,2 1,1,2-TRICHLOROETHANE CONCENTRATION
- CIS CIS-1,2-DICHLOROETHYLENE CONCENTRATION
- 2 2-CHLOROTOLUENE CONCENTRATION
- VC VINYL CHLORIDE CONCENTRATION
- CONCENTRATION ABOVE STANDARDS
- LIMIT OF SOIL CONTAMINATION ABOVE STANDARDS

Quantum ENVIRONMENTAL, INC.

6001 Chapel Hill Rd. Suite 108
Raleigh North Carolina 27607
Phone: (919) 852-3595 Fax: (919) 852-1997

FIGURE 6

SOIL CONTAMINATION CROSS

SECTION B - B'
FORMER NELLO TEER QUARRY
DURHAM, NC

Revisions									
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Project No.		
0013-94-012		
SCALE: SHOWN		
DWN DATE	CHK DATE	CLIENT APPROVAL DATE
12/97		

NORTH

SOUTH

C

C'

SB-15

SB-14

SB-13

BDL

2 0.0031 MG/KG

BDL

APPROXIMATE LIMIT OF SOIL CONTAMINATION ABOVE STANDARDS

LEGEND

- SB-9 SOIL BORING
-  6/04 SOIL SAMPLE ANALYTICAL RESULTS
-  ALL ANALYTES BELOW DETECTION LIMITS
- TCA 1,1,1-TRICHLOROETHANE CONCENTRATION
- TCE TRICHLOROETHENE CONCENTRATION
- 1,1-DCE 1,1-DICHLOROETHENE CONCENTRATION
- 1,1-DCA 1,1-DICHLOROETHANE CONCENTRATION
- 1,2-DCA 1,2-DICHLOROETHANE CONCENTRATION
- CIS CIS-1,2-DICHLOROETHYLENE CONCENTRATION
- PCE TETRACHLOROETHENE CONCENTRATION
- 1,1,2 1,1,2-TRICHLOROETHANE CONCENTRATION
- CIS CIS-1,2-DICHLOROETHYLENE CONCENTRATION
- 2 2-CHLOROTOLUENE CONCENTRATION
- VC VINYL CHLORIDE CONCENTRATION
-  CONCENTRATION ABOVE STANDARDS
-  LIMIT OF SOIL CONTAMINATION ABOVE STANDARDS

SCALE:

HORIZONTAL: 20 Feet

VERTICAL: 1 Foot
0

ALL RESULTS IN MG/KG.
RESULTS FROM JUNE 2004.

Quantum ENVIRONMENTAL, INC.

6001 Chapel Hill Rd. Suite 108
Raleigh North Carolina 27607
Phone: (919) 852-3595 Fax: (919) 852-1997

FIGURE 7

SOIL CONTAMINATION CROSS
SECTION C - C'
FORMER NELLO TEER QUARRY
DURHAM, NC

Revisions									

Project No.
0013-94-012
SCALE: SHOWN

DWN	CHK	CLIENT APPROVAL
DATE	DATE	DATE
12/97		



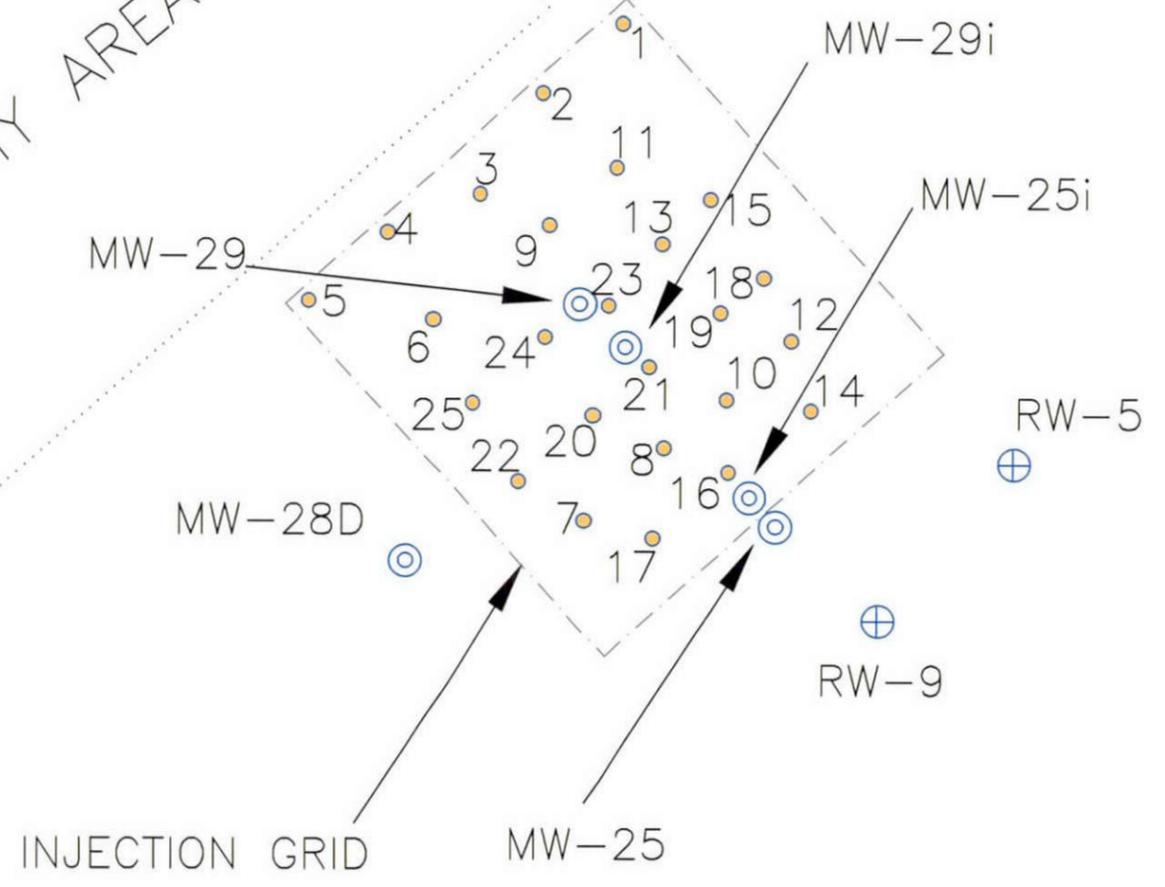
TO QUARRY

LEGEND

- ⊙ - MONITORING WELL LOCATION
- ⊕ - RECOVERY WELL LOCATION
- - HRC INJECTION WELL LOCATION

MW-18

MARSHY AREA



Quantum ENVIRONMENTAL, INC.

6001 Chapel Hill Rd. Suite 108
Raleigh North Carolina 27607
Phone: (919) 852-3595 Fax: (919) 852-1997

FIGURE 16

HRC PILOT STUDY
INJECTION GRID
NELLO L. TEER
DURHAM QUARRY

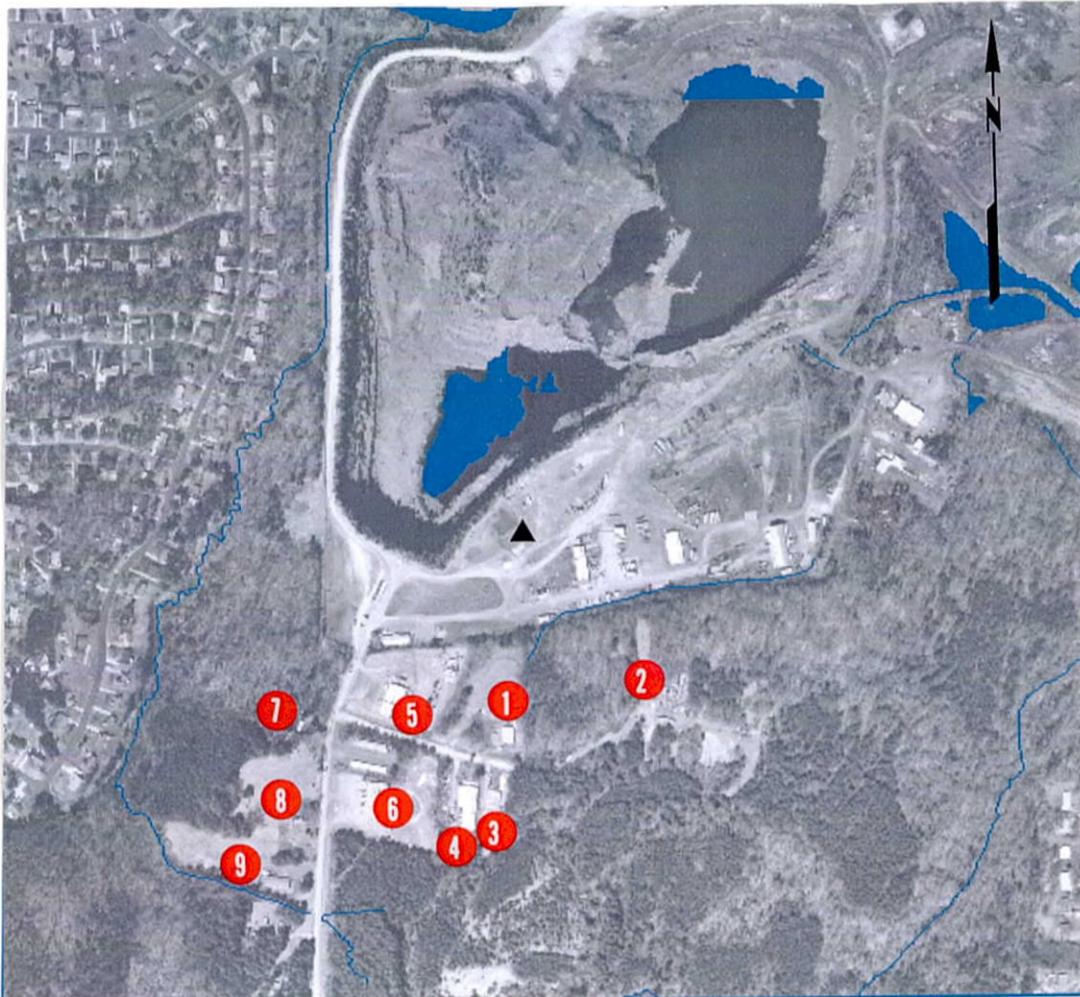
Revisions	

Project No.

0013-94-012

SCALE: 1" = 16'

DWN	CHK	CLIENT APPROVAL
DATE	DATE	DATE



Triangle depicts source area.

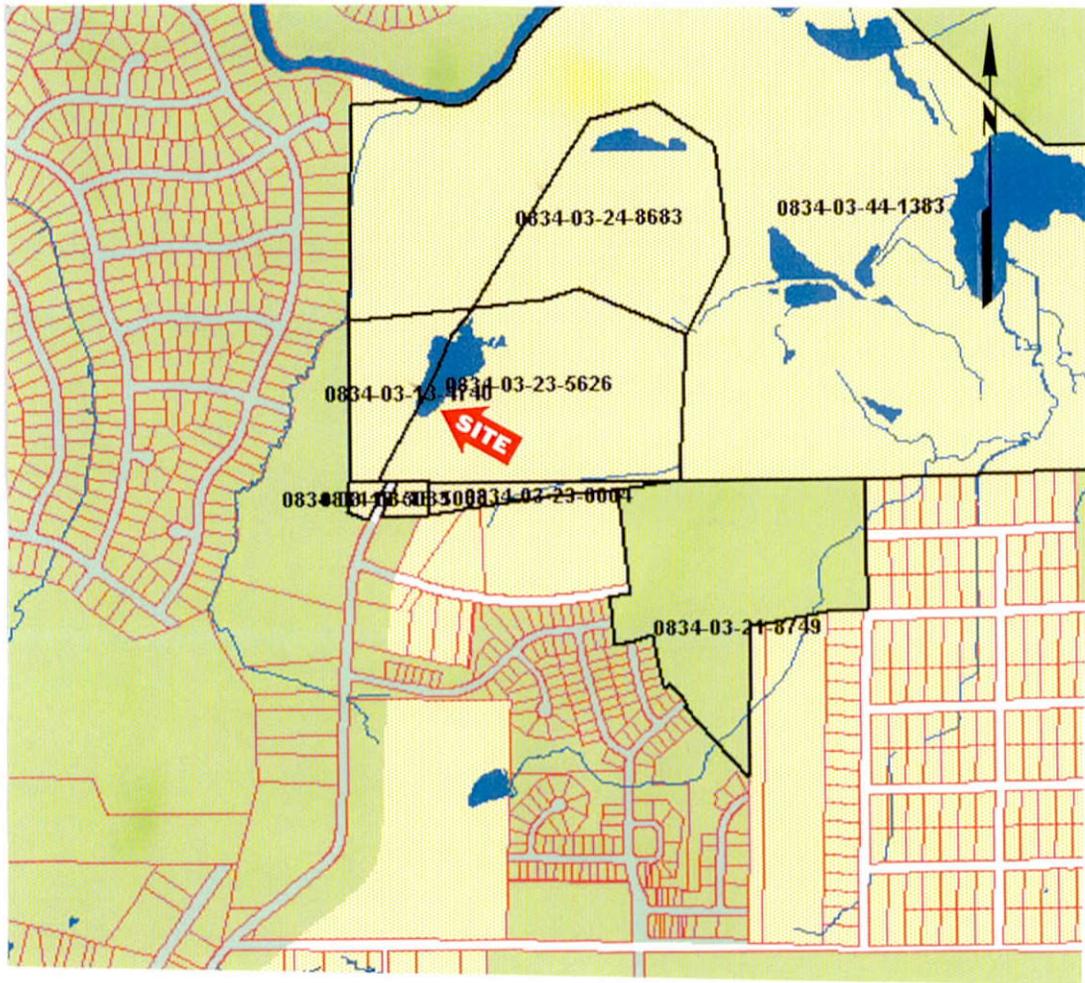
Numbers refer to locations listed in Table 7.

Source: Durham GIS website.

**SUPPLY WELL
LOCATION MAP**
Nello Teer Quarry
Durham, NC

Quantum Environmental, Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607
Phone: (919) 852-3595 Fax: (919) 852-1997

FIGURE: 17
SCALE: 1" = 736'
Proj. No.: 0013-94-012



Adjacent Parcels with
Tax Identification
Numbers
Nello Teer Quarry
Durham, NC

Quantum

Environmental, Inc.

6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Phone: (919) 852-3595 Fax: (919) 852-1997

Figure: 18

SCALE: 1100'/1"

Proj. No.: 0013-94-012

TABLES

**Table 1. Soil Sample Results Summary
June 2004 Sampling Event
Nello Teer Quarry, Denfield Street
Durham, North Carolina**

PARAMETER	SB-1	SB-2-1	SB-2-2	SB-3	SB-4-1	SB-4-2	Soil-to-Groundwater MSCC ^a (mg/kg)
Sample Depth, ft.	1-3	0-2	2-4	0-1	0-2	2-4	--
Acetone	0.03	BDL	BDL	BDL	BDL	BDL	2.81
Benzene	BDL ^a	BDL	BDL	BDL	BDL	BDL	0.0056
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	7.0
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	0.24
Xylenes (Total)	BDL	BDL	BDL	BDL	BDL	BDL	5.0
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	0.58
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	15.0
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	4.0
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.045
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.35
Trichloroethene	BDL	BDL	BDL	0.0034	BDL	BDL	0.0185
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	1.58
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	0.0033
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.0074
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Vinyl chloride	BDL	BDL	BDL	BDL	BDL	BDL	0.0001

All Values in mg/kg.

^a MSCC is Maximum Soil Contaminant Concentration.

^b NA Indicates Parameter Not Analyzed.

^c Proposed Standard.

^d Bold Text Indicates Concentration in Excess of State Standard.

Table 1, cont.

Soil Sample Results Summary
June 2004 Sampling Event
Nello Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	SB-5	SB-6-1	SB-6-2	SB-7-1	SB-7-2	SB-8-1	Soil-to-Groundwater MSCC ^a (mg/kg)
Sample Depth, ft.	1-3	1-2	2-4	1-3	3-5	0-2	--
Benzene	BDL ^b	BDL	BDL	BDL	BDL	BDL	0.0056
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	7.0
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	0.24
Xylenes (Total)	BDL	BDL	BDL	BDL	BDL	BDL	5.0
MTBE	BDL	BDL	0.0015	BDL	BDL	BDL	0.92
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	0.58
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	15.0
1,2,4-Trimethylbenzene	BDL	0.0011	BDL	BDL	BDL	BDL	8.0
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	4.0
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.045
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.35
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.0185
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	1.58
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	0.0033
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.0074
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Vinyl chloride	BDL	BDL	BDL	BDL	BDL	BDL	0.0001

All Values in mg/kg.

^a MSCC is Maximum Soil Contaminant Concentration.

^b BDL Indicates Concentration Below Detection Limit.

Table 1, cont.

**Soil Sample Results Summary
June 2004 Sampling Event
Nello Teer Quarry, Denfield Street
Durham, North Carolina**

PARAMETER	SB-8-2	SB-9-1	SB-9-2	SB-10-1	SB-10-2	SB-11-1	Soil-to-Groundwater MSCC ^a (mg/kg)
Sample Depth, ft.	2-4	0-2	2-4	0-2	2-4	0-2	--
Benzene	BDL ^b	BDL	BDL	BDL	BDL	BDL	0.0056
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	7.0
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	0.24
Xylenes (Total)	BDL	BDL	BDL	BDL	BDL	BDL	5.0
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	0.58
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	15.0
1,1-Dichloroethane	BDL	0.019	0.050	BDL	BDL	BDL	4.0
1,2-Dichloroethane	BDL	0.0023 ^c	0.014	BDL	BDL	BDL	0.0018
1,1-Dichloroethene	BDL	0.036	0.11	BDL	BDL	BDL	0.045
cis-1,2-Dichloroethene	BDL	0.0083	0.042	BDL	BDL	BDL	0.35
Trichloroethene	BDL	0.080	0.12	BDL	BDL	BDL	0.0185
1,1,1-Trichloroethane	BDL	0.033	0.023	BDL	BDL	BDL	1.58
1,1,2-Trichloroethane	BDL	0.0021	0.0096	BDL	BDL	BDL	0.0033
Tetrachloroethene	BDL	0.0085	0.016	BDL	BDL	BDL	0.0074
Vinyl chloride	BDL	BDL	0.0034	BDL	BDL	BDL	0.0001

All Values in mg/kg.

^a MSCC is Maximum Soil Contaminant Concentration.

^b BDL Indicates Below Detection Limit.

^c Bold Text Indicates Concentration in Excess of State Standard.

Quantum Project No. 0013-94-012

Table 1, cont.

Soil Sample Results Summary
June 2004 Sampling Event
Nello Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	SB-11-2	SB-12-1	SB-12-2	SB-13	SB-14	SB-15	Soil-to-Groundwater MSCC ^a (mg/kg)
Sample Depth, ft.	2-4	0-2	2-4	0-2	1-3	0-2	--
Benzene	BDL ^b	BDL	BDL	BDL	BDL	BDL	0.0056
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	7.0
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	0.24
Xylenes (Total)	BDL	BDL	BDL	BDL	BDL	BDL	5.0
2-Chlorotoluene	BDL	BDL	BDL	BDL	0.0031^c	BDL	NS ^d
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	15.0
1,1-Dichloroethane	0.0016	BDL	BDL	BDL	BDL	BDL	4.0
1,1-Dichloroethene	0.0027	BDL	BDL	BDL	BDL	BDL	0.045
cis-1,2-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.35
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.0185
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	1.58
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	0.0033
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	0.0074
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	0.001
Vinyl chloride	BDL	BDL	BDL	BDL	BDL	BDL	0.0001

All Values in mg/kg.

^a MSCC is Maximum Soil Contaminant Concentration.

^b BDL Indicates Below Detection Limit.

^c Bold Text Indicates Concentration in Excess of State Standard.

^d NS Indicates No Standard Exists for Compound.

Quantum Project No. 0013-94-012

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date				2L Standard
	W-1				
	5/7/1993	5/7/1993	5/20/1993	5/20/1993	
Benzene	16.00	38.80	34.40	11.30	1.00
Toluene	0.90	1.00	1.80	2.60	1000.00
Ethylbenzene	0.40	1.00	1.00	8.80	29.00
Xylenes	5.10	15.40	17.20	NA	530.00
Naphthalene	NA	NA	2.00	NA	21.00
MTBE	NA	51.60	11.80	BDL	200.00
EDB	NA	NA	BDL	BDL	0.0004
IPE	NA	NA	NA	BDL	70.00
Total PAH	22.40	107.80	68.20	22.70	
1,1-Dichloroethane	NA	0.73	0.73	BDL	700.00
Trichloroethene	NA	4.70	5.04	BDL	2.80
cis-,1,2-Dichloroethylene	NA	NA	NA	NA	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	5.43	5.77	0.00	
Lead	NA	NA	1.00	NA	15.00

Constituent	Date		2L Standard
	W-2		
	5/18/1993		
Benzene	BDL		1.00
Toluene	BDL		1000.00
Ethylbenzene	BDL		29.00
Xylenes	BDL		530.00
Naphthalene	BDL		21.00
MTBE	BDL		200.00
EDB	BDL		0.0004
IPE	BDL		70.00
Total PAH	0.00		
1,1-Dichloroethane	BDL		700.00
Trichloroethene	BDL		2.80
cis-,1,2-Dichloroethylene	NA		70.00
Vinyl Chloride	BDL		0.015
Total CVOCs	0.00		
Lead	0.50		15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

W-3			
Constituent	Date		2L Standard
	5/19/1993		
Benzene	BDL		1.00
Toluene	BDL		1000.00
Ethylbenzene	0.90		29.00
Xylenes	BDL		530.00
Naphthalene	BDL		21.00
MTBE	BDL		200.00
EDB	BDL		0.0004
IPE	BDL		70.00
Total PAH	0.90		
1,1-Dichloroethane	BDL		700.00
Trichloroethene	BDL		2.80
cis-,1,2-Dichloroethylene	NA		70.00
Vinyl Chloride	BDL		0.015
Total CVOCs	0.00		
Lead	0.50		15.00

W-4			
Constituent	Date		2L Standard
	5/19/1993		
Benzene	BDL		1.00
Toluene	BDL		1000.00
Ethylbenzene	BDL		29.00
Xylenes	BDL		530.00
Naphthalene	BDL		21.00
MTBE	BDL		200.00
EDB	BDL		0.0004
IPE	BDL		70.00
Total PAH	0.00		
1,1-Dichloroethane	BDL		700.00
Trichloroethene	BDL		2.80
cis-,1,2-Dichloroethylene	NA		70.00
Vinyl Chloride	BDL		0.015
Total CVOCs	0.00		
Lead	BDL		15.00

W-5				
Constituent	Date			2L Standard
	5/20/1993	5/20/1993	5/20/1993	
Benzene	BDL	BDL	BDL	1.00
Toluene	0.07	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	NA	530.00
Naphthalene	BDL	2.00	NA	21.00
MTBE	BDL	BDL	BDL	200.00
EDB	BDL	1.00	BDL	0.0004
IPE	BDL	NA	BDL	70.00
Total PAH	0.07	3.00	0.00	
1,1-Dichloroethane	BDL	1.00	BDL	700.00
Trichloroethene	BDL	2.10	BDL	2.80
cis-,1,2-Dichloroethylene	NA	NA	NA	70.00
Vinyl Chloride	BDL	1.00	BDL	0.015
Total CVOCs		4.10	0.00	
Lead	0.20	1.00	BDL	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-1

Constituent	Date																2L Standard
	05/20/93	8/29/1994	1/26/1995	4/27/1995	8/29/1995	3/14/1996	10/11/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/4/2002	9/12/2002	4/15/2003	10/17/2003	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	1.00
Toluene	0.70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	BDL	BDL	21.00
MTBE	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NS	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NS	BDL	BDL	BDL	BDL	70.00
Total VOCs	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	15.00

MW-1, cont.

Constituent	Date		2L Standard
	04/23/04	10/06/04	
Benzene	BDL	BDL	1.00
Toluene	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	29.00
Xylenes	BDL	BDL	530.00
Naphthalene	BDL	BDL	21.00
MTBE	BDL	BDL	200.00
EDB	BDL	BDL	0.0004
IPE	BDL	BDL	70.00
Total VOCs	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	700.00
Trichloroethene	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	0.015
Total CVOCs	0.00	0.00	
Lead	BDL	NA	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

RW-2 (former MW-2)

Constituent	Date										2L Standard
	05/07/93	05/20/93	08/29/94	08/29/99	06/15/00	01/23/01	06/15/01	12/28/01	06/06/02	06/06/02	
Benzene	575.00	353.00	95.00	6.80	BDL	1.60	NS	BDL	BDL	BDL	1.00
Toluene	1,160.00	418.00	19.00	BDL	1.70	BDL	NS	BDL	BDL	BDL	1000.00
Ethylbenzene	84.40	BDL	62.00	BDL	1.00	2.40	NS	BDL	BDL	BDL	29.00
Xylenes	1,425.00	106.00	61.00	BDL	13.00	1.10	NS	BDL	BDL	BDL	530.00
Naphthalene	NA	NA	2.78	BDL	BDL	BDL	NS	NS	NS	BDL	21.00
MTBE	NA	BDL	NA	BDL	BDL	BDL	NS	3.00	BDL	BDL	200.00
EDB	NA	BDL	NA	BDL	BDL	BDL	NS	NS	NS	NA	0.0004
IPE	NA	BDL	NA	BDL	BDL	BDL	NS	NS	BDL	BDL	70.00
Total VOCs	2,200.40	877.00	239.78	6.80	15.70	5.10	NS	3.00	0.00	0.00	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	NS	NS	BDL	NA	700.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	NS	NS	BDL	NA	2.80
cis-,1,2-Dichloroethylene	NA	NA	90.00	BDL	6.50	2.60	NS	NS	BDL	NA	70.00
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	NS	NS	BDL	NA	0.015
Total CVOCs	0.00	0.00	90.00	0.00	6.50	2.60					
Lead	<0.05	0.20	NA	NA	NA	NS	NS	NS	NS	NA	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
Nello Teer Quarry
Durham County

MW-3					
Constituent	Date				2L Standard
	05/21/93	08/29/94	01/26/95	04/27/95	
Benzene	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	NA	200.00
EDB	BDL	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	70.00
Total VOCs	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	
Lead	0.056	NA	NA	NA	15.00

MW-5			
Constituent	Date		2L Standard
	05/07/93	05/20/93	
Benzene	BDL	BDL	1.00
Toluene	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	29.00
Xylenes	BDL	BDL	530.00
Naphthalene	NA	BDL	21.00
MTBE	NA	BDL	200.00
EDB	NA	BDL	0.0004
IPE	NA	BDL	70.00
Total VOCs	0.00	0.00	
1,1-Dichloroethane	NA	BDL	700.00
Trichloroethene	NA	BDL	2.80
cis-,1,2-Dichloroethylene	NA	BDL	70.00
Vinyl Chloride	NA	BDL	0.015
Total CVOCs	0.00	0.00	
Lead	NA	0.07	15.00

MW-4		
Constituent	Date	2L Standard
	05/18/93	
Benzene	BDL	1.00
Toluene	0.70	1000.00
Ethylbenzene	BDL	29.00
Xylenes	BDL	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	BDL	0.0004
IPE	BDL	70.00
Total VOCs	0.00	
1,1-Dichloroethane	BDL	700.00
Trichloroethene	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	70.00
Vinyl Chloride	BDL	0.015
Total CVOCs	0.00	NA
Lead	0.50	15.00

MW-6		
Constituent	Date	2L Standard
	05/21/93	
Benzene	BDL	1.00
Toluene	BDL	1000.00
Ethylbenzene	BDL	29.00
Xylenes	BDL	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	BDL	0.0004
IPE	BDL	70.00
Total VOCs	0.00	
1,1-Dichloroethane	BDL	700.00
Trichloroethene	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	70.00
Vinyl Chloride	BDL	0.015
Total CVOCs	0.00	
Lead	0.03	15.00

BDL Indicates Below Detection Limit.
NA Indicates Not Analyzed.
NS Indicates Not Sampled.
Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date																2L Standard
	05/21/93	08/29/94	01/26/95	8/29/1995	4/27/1995	3/14/1996	10/11/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/4/2002	09/12/02	04/15/03	10/17/03	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.1	NA	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	NA	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	NA	BDL	BDL	BDL	BDL	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	NA	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
Lead	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

Constituent	Date		2L Standard
	04/23/04	10/05/04	
Benzene	BDL	BDL	1.00
Toluene	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	29.00
Xylenes	BDL	BDL	530.00
Naphthalene	BDL	BDL	21.00
MTBE	BDL	BDL	200.00
EDB	NA	NA	0.0004
IPE	BDL	BDL	70.00
Total VOCs	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	700.00
Trichloroethene	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	0.015
Total CVOCs	0.00	0.00	
Lead	BDL	NA	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-8		
Constituent	Date	2L Standard
	05/19/93	
Benzene	BDL	1.00
Toluene	BDL	1000.00
Ethylbenzene	BDL	29.00
Xylenes	BDL	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	BDL	0.0004
IPE	BDL	70.00
Total VOCs	0.00	
1,1-Dichloroethane	BDL	700.00
Trichloroethene	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	70.00
Vinyl Chloride	BDL	0.015
Total CVOCs	0.00	
Lead	<0.05	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-9

Constituent	Date									2L Standard
	9/9/1993	8/30/1994	1/25/1995	4/27/1995	6/4/2002	9/12/2002	4/15/2003	10/17/2003	4/23/2004	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	NA	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	1.30	BDL	BDL	NA	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	BDL	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-11

Constituent	Date															2L Standard	
	9/9/1993	8/30/1994	1/26/1995	4/27/1995	8/29/1995	3/13/1996	10/9/1996	12/3/1997	5/13/1998	6/17/1999	12/10/1999	6/4/2002	9/12/2002	4/15/2003	10/17/2003		4/23/2004
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	NA	NA	1.30	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NA	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	BDL	BDL	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	
1,1-Dichloroethane	0.60	BDL	BDL	BDL	BDL	2.40	BDL	3.00	2.20	1.00	BDL	BDL	BDL	BDL	4.90	1.20	700.00
Trichloroethene	BDL	BDL	2.50	1.80	BDL	1.60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	22.90	BDL	BDL	BDL	NA	BDL	BDL	70.00						
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.60	0.00	2.50	24.70	0.00	4.00	0.00	3.00	2.20	1.00	0.00	0.00	0.00	0.00	4.90	1.20	
Lead	<0.05	NA	NA	NA	NA	NA	BDL	15.00									

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-12

Constituent	Date				2L Standard
	9/9/1993	8/30/1994	1/26/1995	4/27/1995	
Benzene	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	200.00
EDB	BDL	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	70.00
Total VOCs	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-13

Constituent	Date																2L Standard
	9/9/1993	8/31/1994	1/26/1995	4/27/1995	8/29/1995	3/14/1996	10/9/1996	12/3/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/13/2001	12/28/2001	6/4/2002	9/12/2002	
Benzene	BDL	3.10	BDL	BDL	1.13	3.40	BDL	1.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	2.83	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	2.63	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	BDL	BDL	3.20	2.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.0004
IPE	BDL	NA	NA	NA	23.10	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Total VOCs	0.00	0.00	0.00	0.00	29.69	3.40	0.00	4.20	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	4.40	6.00	7.90	13.20	2.06	2.40	2.67	11.00	7.90	3.30	6.4	3.7	5.2	4	4.90	2.90	700.00
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	3.80	BDL	2.70	BDL	BDL	2.2	BDL	BDL	BDL	BDL	BDL	200.00
Trichloroethene	BDL	5.10	BDL	4.10	BDL	2.90	3.02	2.40	BDL	2.40	2.8	BDL	1.30	1.40	1.50	BDL	2.80
1,1-Dichloroethene	BDL	BDL	BDL	2.30	BDL	3.00	BDL	2.50	1.70	1.70	4.2	2.2	3.8	1	BDL	1.50	7.00
cis-,1,2-Dichloroethylene	BDL	3.40	BDL	3.40	2.48	4.10	BDL	BDL	BDL	2.70	2.2	2.3	2.1	2.1	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	1.40	BDL	BDL	1.20	BDL	BDL	BDL	1.20	1.00	BDL	BDL	0.015
Total CVOCs	4.40	14.50	7.90	23.00	57.33	21.00	5.69	18.60	10.80	10.10	17.80	8.20	13.60	9.50	6.40	4.40	
Lead	<0.05	NA	NA	NA	NA	NA	NA	15.00									

MW-13, cont.

Constituent	Date			2L Standard
	4/16/2003	10/16/2003	4/22/2004	
Benzene	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	530.00
Naphthalene	NA	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	0.0004
IPE	BDL	BDL	4.50	70.00
Total VOCs	0.00	0.00	4.50	
1,1-Dichloroethane	5.90	4.50	3.40	700.00
1,1,1-Trichloroethane	BDL	BDL	BDL	200.00
Trichloroethene	BDL	BDL	BDL	2.80
1,1-Dichloroethene	4.10	1.60	BDL	7.00
cis-,1,2-Dichloroethylene	BDL	1.60	1.40	70.00
Vinyl Chloride	BDL	BDL	BDL	0.015
Total CVOCs	10.00	7.70	4.80	
Lead	NA	NA	BDL	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date									2L Standard
	9/9/1993	8/30/1994	1/31/1995	4/27/1995	8/30/1995	3/15/1996	10/9/1996	12/2/1997	5/13/1998	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	1.17	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	2.10	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	507.00	BDL	BDL	4.10	2.20	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	70.00
Total VOCs	0.00	0.00	0.00	0.00	507.00	0.00	3.27	4.10	2.20	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	3.27	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-14i

Constituent	Date												2L Standard
	9/9/1993	8/30/1994	1/31/1995	4/27/1995	3/15/1996	10/9/1996	12/3/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/15/2001	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	21.00
MTBE	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NS	BDL	200.00
EDB	BDL	NA	BDL	BDL	NS	BDL	0.0004						
IPE	BDL	NA	BDL	BDL	NS	BDL	70.00						
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NS	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NS	NS	
Lead	<0.05	NA	NS	NS	15.00								

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 21 Standard

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-15i

Constituent	Date																2L Standard
	9/9/1993	8/31/1994	1/26/1995	4/27/1995	8/30/1995	3/15/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	6/7/2000	6/15/2001	6/4/2002	9/12/2002	4/15/2003	
Benzene	BDL	BDL	BDL	BDL	2.16	BDL	BDL	BDL	1.30	4.80	2.5	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	2.70	3.40	1.90	BDL	BDL	BDL	BDL	BDL	1.20	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	3.60	9.00	BDL	BDL	BDL	BDL	BDL	BDL	1.90	4.4	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.20	BDL	BDL	BDL	BDL	NA	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	44.60	BDL	BDL	12.00	13.00	BDL	6.1	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	5.70	NA	NA	NA	NA	BDL	BDL	NA	BDL	BDL	BDL	BDL	70.00
Total VOCs	BDL	6.30	12.40	1.90	52.46	0.00	0.00	12.00	15.20	8.90	10.50	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	NA	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	NA	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	NA	NA	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	NA	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NS	BDL	NA	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	15.00

MW-15i, cont.

Constituent	Date		2L Standard
	10/17/2003	4/23/2004	
Benzene	BDL	BDL	1.00
Toluene	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	29.00
Xylenes	BDL	BDL	530.00
Naphthalene	BDL	BDL	21.00
MTBE	BDL	BDL	200.00
EDB	NA	NA	0.0004
IPE	BDL	BDL	70.00
Total VOCs	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	700.00
Trichloroethene	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	0.015
Total CVOCs	0.00	0.00	
Lead	NA	BDL	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bol'd Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date					2L Standard
	9/9/1993	8/31/1994	1/26/1995	4/27/1995	8/30/1995	
Benzene	10.70	17.50	BDL	BDL	BDL	1.00
Toluene	8.80	2.60	BDL	BDL	BDL	1000.00
Ethylbenzene	76.40	147.00	43.00	56.30	77.70	29.00
Xylenes	NA	430.00	170.00	188.00	205.00	530.00
Naphthalene	13.00	63.30	60.90	53.40	27.60	21.00
MTBE	8.30	NA	NA	NA	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	0.0004
IPE	BDL	NA	NA	NA	BDL	70.00
Total VOCs	117.20	660.40	273.90	297.70	310.30	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-16s								
Constituent	Date							2L Standard
	9/9/1993	8/30/1994	1/25/1995	4/27/1995	3/14/1996	10/9/1996	5/13/1998	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	NA	NA	NA	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date										2L Standard
	9/9/1993	8/31/1994	1/26/1995	4/27/1995	3/14/1996	10/9/1996	12/1/1997	5/13/1998	6/17/1999	12/10/1999	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	BDL	BDL	0.0004						
IPE	BDL	NA	BDL	BDL	70.00						
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	1.1	0.00	0.00	0.00	
Lead	<0.05	NA	15.00								

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-17

Constituent	Date																2L Standard
	9/9/1993	8/30/1994	1/31/1995	4/27/1995	8/29/1995	3/13/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	6/7/2000	6/15/2001	12/28/2001	6/4/2002	9/12/2002	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	NA	NA	BDL	BDL	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,1-Dichloroethane	17.10	BDL	15.50	23.30	23.40	10.40	9.33	7.40	7.20	6.00	7.3	2.6	1.9	1.9	3.90	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.00
cis-, 1,2-Dichloroethylene	BDL	BDL	3.80	2.10	2.92	1.30	BDL	BDL	BDL	1.00	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	2.20	38.90	63.00	BDL	23.40	35.30	21.70	BDL	2.60	5.00	5.7	1.70	2.50	2.00	3.20	BDL	0.015
Total CVOCs	19.30	38.90	82.30	25.40	49.72	47.00	31.03	7.40	9.80	12.00	13.00	4.30	4.40	3.90	7.10	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	15.00									

MW-17, cont.

Constituent	Date			2L Standard
	4/15/2003	10/17/2003	4/23/2004	
Benzene	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	0.0004
IPE	BDL	BDL	BDL	70.00
Total VOCs	0.00	0.00	0.00	
1,1-Dichloroethane	6.20	3.10	2.60	700.00
Trichloroethene	BDL	BDL	BDL	2.80
1,1-Dichloroethene	1.3	BDL	BDL	7.00
cis-, 1,2-Dichloroethylene	NA	BDL	BDL	70.00
Vinyl Chloride	1.50	BDL	BDL	0.015
Total CVOCs	9.00	3.10	2.60	
Lead	NA	NA	BDL	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-18

Constituent	Date																2L Standard
	9/9/1993	8/30/1994	1/31/1995	4/27/1995	8/29/1995	3/14/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	6/7/2000	6/15/2001	1/2/2002	6/4/2002	9/12/2002	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	1.00
Toluene	1.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	BDL	NA	NA	BDL	NA	70.00
Total VOCs	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA	NA	BDL	BDL	
1,1-Dichloroethane	48.10	BDL	BDL	97.90	71.30	5.80	10.60	12.00	1.50	BDL	1.40	BDL	2.30	1.90	1.90	BDL	700.00
1,2-Dichloroethane	BDL	BDL	27.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38
1,1-Dichloroethene	BDL	BDL	3.90	BDL	1.93	BDL	BDL	1.70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-1,2-Dichloroethylene	NA	BDL	4.80	1.40	3.73	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.40	2.50	BDL	BDL	70.00
Vinyl Chloride	10.90	BDL	50.00	BDL	58.90	16.30	10.90	8.10	2.30	BDL	3.80	BDL	4.70	1.60	2.20	BDL	0.015
Chloroethane	BDL	BDL	50.00	BDL	59.00	9.50	BDL	1.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2800.00
Total CVOCs	59.00	0.00	135.70	99.30	194.86	31.60	21.50	23.10	3.80	0.00	5.20	0.00	10.40	6.00	4.10	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

MW-18, cont.

Constituent	Date										2L Standard	
	2/13/2003	9/12/2002	2/13/2003	3/21/2003	4/15/2003	5/20/2003	7/24/2003	10/17/2003	1/14/2004	4/28/2004		
Benzene	NA	BDL	NA	BDL		1.00						
Toluene	NA	BDL	NA	BDL		1000.00						
Ethylbenzene	NA	BDL	NA	BDL		29.00						
Xylenes	NA	BDL	NA	BDL		530.00						
Naphthalene	NA	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL		21.00
MTBE	NA	BDL	NA	BDL		200.00						
EDB	NA	NA	NA		0.0004							
IPE	NA	BDL	NA	BDL		70.00						
Total VOCs	BDL	BDL	0.00									
1,1-Dichloroethane	BDL	BDL	BDL		700.00							
1,2-Dichloroethane	BDL	BDL	BDL		0.38							
1,1-Dichloroethene	BDL	BDL	BDL		7.00							
Trichloroethene	BDL	BDL	BDL		2.80							
cis-1,2-Dichloroethylene	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL		70.00
Vinyl Chloride	BDL	BDL	BDL		0.015							
Chloroethane	BDL	BDL	BDL		1.00							
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		2800.00
Lead	NA	NA	BDL		15.00							

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date								2L Standard
	9/9/1993	8/30/1994	1/31/1995	4/27/1995	3/14/1996	10/9/1996	12/2/1997	5/13/1998	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	NA	NA	BDL	BDL	200.00
EDB	BDL	NA	0.0004						
IPE	BDL	NA	70.00						
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	15.00						

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date						2L Standard
	9/9/1993	8/30/1994	1/25/1995	4/27/1995	8/30/1995	3/14/1996	
Benzene	15.00	64.40	44.00	71.80	64.40	64.90	1.00
Toluene	1.80	9.50	6.20	BDL	26.00	2.40	1000.00
Ethylbenzene	BDL	16.38	7.00	14.60	25.30	5.90	29.00
Xylenes	BDL	21.00	16.70	20.60	80.70	17.00	530.00
Naphthalene	BDL	3.84	3.29	4.90	BDL	4.50	21.00
MTBE	7.30	BDL	BDL	BDL	9.69	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	0.0004
IPE	14.20	NA	NA	NA	50.00	NA	70.00
Total VOCs	38.30	115.12	77.19	111.90	256.09	94.70	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-20d

Constituent	Date																2L Standard
	9/9/1993	8/31/1994	1/25/1995	4/27/1995	8/30/1995	3/15/1996	10/11/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/14/2001	1/2/2002	6/4/2002	9/12/2002	
Benzene	15.00	30.00	22.00	29.80	30.30	20.00	21.60	16.00	13.00	12.30	1.80	1.50	BDL	1.80	2.60	2.50	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	6.20	NA	NA	NA	BDL	NA	NA	5.70	4.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	NA	0.0004
IPE	14.20	NA	NA	NA	26.60	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	5.30	6.10	70.00
Total VOCs	35.40	30.00	22.00	29.80	56.90	20.00	21.60	26.20	17.30	12.30	1.80	1.50	0.00	1.80	7.90	8.60	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	8.00	BDL	5.20	5.47	4.00	BDL	BDL	BDL	1.10	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	4.30	BDL	1.70	3.20	3.00	BDL	BDL	1.20	2.30	3.20	2.80	0.015
Total CVOCs	0.00	8.00	0.00	5.20	5.47	8.30	0.00	1.70	3.20	4.10	0.00	0.00	1.20	2.30	3.20	2.80	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

MW-20d, cont.

Constituent	Date				2L Standard
	4/16/2003	10/16/2003	4/27/2004	10/5/2004	
Benzene	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	NA	0.0004
IPE	BDL	BDL	2.10	BDL	70.00
Total VOCs	0.00	0.00	2.10	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	
Lead	NA	NA	BDL	NA	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date					2L Standard
	9/9/1993	8/30/1994	1/26/1995	4/27/1995	3/15/1996	
Benzene	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	200.00
EDB	BDL	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	NA	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date												2L Standard
	4/28/1994	8/30/1994	1/25/1995	4/27/1995	8/30/1995	3/14/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	
Benzene	9.40	BDL	NS	1.00									
Toluene	BDL	NS	1000.00										
Ethylbenzene	BDL	NS	29.00										
Xylenes	BDL	NS	530.00										
Naphthalene	BDL	NS	21.00										
MTBE	BDL	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NS	0.0004
IPE	8.00	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NS	70.00
Total VOCs	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1,1-Dichloroethane	NA	BDL	NS	700.00									
Trichloroethene	NA	BDL	NS	2.80									
cis-,1,2-Dichloroethylene	NA	BDL	NS	70.00									
Vinyl Chloride	NA	BDL	NS	0.015									
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Lead	<0.005	NA	NS	15.00									

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-23

Constituent	Date																2L Standard
	4/28/1994	8/30/1994	1/26/1995	4/27/1995	8/30/1995	3/14/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/13/2001	12/28/2002	6/4/2002	9/12/2002	
Benzene	21.00	68.40	36.00	67.90	58.90	56.40	69.70	42.00	23.00	37.10	14.3	28	11.6	37	5.30	4.30	1.00
Toluene	BDL	13.00	BDL	14.50	18.60	9.90	4.52	BDL	6.70	7.50	1.9	1.8	1.5	4.6	BDL	BDL	1000.00
Ethylbenzene	BDL	46.50	14.00	40.40	30.70	14.90	11.30	BDL	9.60	19.10	2.3	16.7	BDL	38.9	2.40	BDL	29.00
Xylenes	BDL	100.00	40.00	95.30	77.30	24.70	35.50	41.00	40.00	39.60	18	6.6	BDL	30.6	4.50	BDL	530.00
Naphthalene	BDL	33.70	42.50	42.90	19.10	32.00	11.70	BDL	9.10	12.00	BDL	BDL	BDL	24.70	NA	2.50	6.00
MTBE	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	5.40	BDL	8.8	3.00	NA	7.20	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	NA	NA	0.0004
IPE	15.00	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	9.80	BDL	70.00
Total VOCs	36.00	216.60	132.50	261.00	204.60	137.90	132.72	83.00	93.80	115.30	45.30	47.10	13.00	143.00	22.00	6.80	
Acenaphthene	NA	NA	NA	NA	NA	NA	80.00										
Fluorene	NA	NA	NA	NA	NA	NA	280.00										
Phenanthrene	NA	NA	NA	NA	NA	NA	210.00										
1-Methylnaphthalene	NA	NA	NA	NA	NA	8.90	NS										
2-Methylnaphthalene	NA	NA	NA	NA	NA	3.00	14.00										
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	BDL	700.00									
1,2-Dichloroethane	NA	BDL	1.30	BDL	1.00	1.30	BDL	BDL	BDL	0.35							
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	BDL	2.80									
cis-,1,2-Dichloroethylene	NA	BDL	BDL	BDL	BDL	BDL	BDL	70.00									
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	BDL	0.015									
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	1.00	1.30	0.00	0.00	0.00	
Lead	<0.005	NA	NA	NA	NA	NA	NA	15.00									

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-23, cont.

Constituent	Date				2L Standard
	4/15/2003	10/17/2003	4/23/2004	10/5/2004	
Benzene	15.00	8.30	11.00	12.00	1.00
Toluene	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	4.60	1.60	3.60	6.40	29.00
Xylenes	8.50	3.20	5.90	10.90	530.00
Naphthalene	5.00	7.50	9.40	11.00	6.00
MTBE	BDL	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	NA	0.0004
IPE	18.00	6.70	7.50	8.90	70.00
Total VOCs	51.10	27.30	37.40	49.20	
Acenaphthene	1.20	1.60	BDL	19.00	80.00
Fluorene	1.80	2.10	BDL	BDL	280.00
1,2,4-Trimethylbenzene	NA	NA	1.30	NA	
Isopropylbenzene	NA	NA	7.10	NA	
n-Propylbenzene	NA	NA	9.80	NA	
n-Butylbenzene	NA	NA	1.10	NA	
sec-Butylbenzene	NA	NA	2.60	NA	
Phenanthrene	1.60	1.60	BDL	BDL	210.00
1-Methylnaphthalene	1.60	17.00	BDL	16.00	NS
2-Methylnaphthalene	1.60	BDL	BDL	5.00	14.00
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	0.38
Trichloroethene	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	NA	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	
Lead	NA	NA	BDL	NA	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MIW-24

Constituent	Date										2L Standard
	4/28/1994	8/30/1994	1/31/1995	4/27/1995	3/15/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	
Benzene	BDL	2.60	BDL	BDL	1.00						
Toluene	BDL	6.00	BDL	BDL	1000.00						
Ethylbenzene	BDL	BDL	BDL	29.00							
Xylenes	BDL	4.80	BDL	BDL	530.00						
Naphthalene	BDL	BDL	BDL	21.00							
MTBE	BDL	NA	NA	NA	NA	NA	1.20	1.80	BDL	BDL	200.00
EDB	BDL	NA	BDL	BDL	0.0004						
IPE	BDL	NA	BDL	BDL	70.00						
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	1.20	15.20	0.00	0.00	
1,1-Dichloroethane	NA	BDL	BDL	BDL	700.00						
Trichloroethene	NA	BDL	BDL	BDL	2.80						
cis-,1,2-Dichloroethylene	NA	BDL	BDL	BDL	70.00						
Vinyl Chloride	NA	BDL	BDL	BDL	0.015						
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	2.40	0.00	0.00	0.00	
Lead	<0.005	NA	NA	NA	15.00						

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-25

Constituent	Date																2L Standard
	8/30/1994	1/31/1995	4/27/1995	8/29/1995	3/14/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	6/8/2000	12/7/2000	6/15/2001	12/28/2001	6/4/2002	9/12/2002	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	336.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	530.00
Naphthalene	BDL	BDL	2.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	21.00
MTBE	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	200.00
EDB	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	0.0004
IPE	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	70.00
Total VOCs	0.0	0.0	2.2	336.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	0.0	0.0	
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.00
1,1-Dichloroethane	840.0	690.0	632.0	1100.0	262.0	259.0	350.0	240.0	282.0	185.0	110.0	156.0	160.0	200.0	150.00	180.00	700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	7.6	BDL	7.5	BDL	1.3	2.0	BDL	3.0	BDL	2.9	1.80	2.40	0.38
1,1-Dichloroethene	BDL	770.0	708.0	1270.0	618.0	501.0	390.0	340.0	204.0	280.0	80.0	282.0	100.0	234.0	120.00	220.00	7.00
Trichloroethene	280.0	125.0	267.0	232.0	152.0	206.0	81.0	BDL	98.0	110.0	64.3	90.0	34.7	77.4	46.00	49.00	2.80
1,1,1-Trichloroethane	BDL	1710.0	2709.0	3920.0	1440.0	2080.0	620.0	1000.0	358.0	725.0	465.0	342.0	365.0	354.0	220.00	270.00	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	3.7	6.6	BDL	BDL	2.2	BDL	2.1	BDL	1.5	1.30	BDL	1.00
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	5.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2100.00
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	1.4	BDL	BDL	2.5	BDL	BDL	BDL	BDL	BDL	BDL	0.70
cis-,1,2-Dichloroethylene	330.0	470.0	319.0	429.0	164.0	BDL	BDL	BDL	151.0	32.0	81.5	84.0	BDL	92.5	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	126.0	85.6	48.9	BDL	30.0	BDL	33.2	13.2	29.7	19.1	29.7	18.00	24.00	0.015
Chloroethane	BDL	BDL	BDL	BDL	BDL	8.7	4.3	BDL	BDL	8.2	BDL	4.4	4.1	3.9	23.00	4.90	2800.00
Carbon Tetrachloride	BDL	BDL	BDL	BDL	192.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.30
1,1,2,2 Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.0	1.0	1.8	BDL	BDL	BDL	BDL	1.00
Total CVOCs	1450.0	3765.0	4635.0	7077.0	2921.2	3107.3	1466.0	1610.0	1094.3	1381.1	815.0	995.0	682.9	995.9	580.1	750.3	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-25 cont.

Constituent	Date										2L Standard
	2/13/2003	3/21/2003	4/15/2003	5/20/2003	7/24/2003	10/17/2003	11/4/2003	1/14/2004	4/26/2004	10/5/2004	
Benzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1.00
Toluene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1000.00
Ethylbenzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	29.00
Xylenes	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	530.00
Naphthalene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	21.00
MTBE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	200.00
EDB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004
IPE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	70.00
Total VOCs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	
2-Methylnaphthalene	NA	NA	6.3	BDL	BDL	BDL	BDL	BDL	NA	NA	14.00
1,1-Dichloroethane	150.00	28.00	13.0	110.0	170.0	68.0	64.0	48.0	120.00	46.00	700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	1.4	BDL	1.50	BDL	0.38
1,1-Dichloroethene	110.00	27.00	15.0	52.0	6.4	BDL	1.9	4.1	10.00	1.60	7.00
Trichloroethene	40.00	9.10	3.6	2.4	BDL	1.5	1.6	1.5	2.30	1.20	2.80
1,1,1-Trichloroethane	240.00	31.00	13.0	29.0	15.0	4.4	BDL	7.2	21.00	8.60	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
2-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	7.70	NA	
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2100.00
Tetrachloroethene	7.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.70
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	34.0	BDL	BDL	BDL	2.0	6.90	BDL	70.00
Vinyl Chloride	16.00	3.70	1.7	16.0	82.0	5.7	14.0	34.0	65.00	15.00	0.015
Chloroethane	15.00	BDL	BDL	BDL	10.0	120.0	120.0	68.0	100.00	41.00	2600.00
Chloroform	BDL	BDL	BDL	BDL	BDL	1.0	BDL	BDL	BDL	BDL	0.19
Carbon Tetrachloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.30
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Total CVOCs	578.7	98.8	46.3	243.4	283.4	200.6	202.9	164.8	334.40	113.40	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date										2L Standard
	02/13/03	03/21/03	04/15/03	05/20/03	07/24/03	10/17/03	11/04/03	01/14/04	04/26/04	10/05/04	
Benzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1.00
Toluene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1000.00
Ethylbenzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	29.00
Xylenes	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	530.00
Naphthalene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	21.00
MTBE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	200.00
EDB	NA	0.0004									
IPE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	70.00
Total VOCs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	
2-Methylnaphthalene	NA	NA	4.2	NA	NA	BDL	NA	NA	BDL	BDL	14.00
1-Methylnaphthalene	NA	NA	BDL	NA	NA	1.5	NA	NA	BDL	BDL	NS
1,1-Dichloroethane	74.0	28.0	17.0	120.0	170.0	41.0	39.0	70.0	92.00	67.00	700.00
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL	1.4	BDL	BDL	BDL	0.38
1,1-Dichloroethene	93.0	35.0	16.0	50.0	3.9	BDL	1.7	3.8	BDL	BDL	7.00
cis-1,2-Dichloroethene		14.0		30.0	1.2		BDL	2.1	BDL	BDL	70.00
4-Chlorotoluene	NA	6.60	NA								
Trichloroethene	28.0	9.1	BDL	BDL	BDL	1.3	1.1	2.0	BDL	BDL	2.80
1,1,1-Trichloroethane	130.0	27.0	BDL	30.0	10.0	4.4	BDL	8.1	7.00	BDL	200.00
1,1,2-Trichloroethane	BDL	1.00									
Trichlorofluoromethane	BDL	2100.00									
Tetrachlorethene	BDL	0.70									
Vinyl Chloride	11.0	3.6	2.8	31.0	89.0	9.8	13.0	72.0	48.00	20.00	0.015
Chloroethane	BDL	BDL	BDL	BDL	12.0	130.0	110.0	130.0	110.00	37.00	2800.00
Carbon Tetrachloride	BDL	0.30									
1,1,2,2 Tetrachloroethane	BDL	1.00									
Total CVOCs	337.0	116.7	35.8	261.0	286.1	186.5	166.2	288.0	263.6	124.0	
Lead	NA	12.00	NA	15.00							

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-26

Constituent	Date																2L Standard
	8/29/1994	1/26/1995	4/27/1995	8/29/1995	3/13/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	6/7/2000	12/7/2000	6/15/2001	1/2/2002	6/4/2002	9/12/2002	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	BDL	BDL	530.00
Naphthalene	BDL	42.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	NA	BDL	21.00
MTBE	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	BDL	BDL	200.00
EDB	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL	BDL	BDL	NS	NA	NA	NA	NA	0.0004
IPE	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL	BDL	BDL	NS	NA	NA	BDL	BDL	70.00
Total VOCs	0.0	42.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		NA	NA	0.00	0.00	
1,1-Dichloroethane	BDL	100.0	109.0	85.4	BDL	54.3	13.0	5.6	3.6	2.4	BDL	NS	1.0	1.8	2.00	2.80	700.00
1,1-Dichloroethene	BDL	BDL	8.1	10.7	13.6	7.2	5.2	3.6	4.2	5.1	BDL	NS	BDL	BDL	1.20	1.80	7.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	4.9	5.8	8.3	BDL	BDL	BDL	5.8	5.8	BDL	NS	BDL	2.7	BDL	BDL	70.00
Vinyl Chloride	29.5	BDL	BDL	44.8	56.6	20.1	12.0	6.9	7.0	6.0	BDL	NS	BDL	BDL	BDL	BDL	0.015
Total CVOCs	29.5	100.0	122.0	146.7	78.5	81.6	30.2	16.1	20.6	19.3	0.0		1.0	4.5	3.2	4.6	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NA	15.00

MW-26, cont.

Constituent	Date			2L Standard
	4/15/2003	10/17/2003	4/36/2004	
Benzene	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	0.0004
IPE	BDL	BDL	BDL	70.00
Total VOCs	0.00	0.00	0.00	
1,1-Dichloroethane	1.00	2.80	2.00	700.00
1,1-Dichloroethene	BDL	1.00	1.00	7.00
Trichloroethene	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	2.0	2.60	70.00
Vinyl Chloride	BDL	BDL	BDL	0.015
Total CVOCs	1.0	5.8	5.60	
Lead	NA	NA	BDL	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-27

Constituent	Date		2L Standard
	9/9/1993	8/29/1994	
Benzene	BDL	BDL	1.00
Toluene	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	29.00
Xylenes	BDL	BDL	530.00
Naphthalene	BDL	BDL	21.00
MTBE	BDL	NA	200.00
EDB	BDL	NA	0.0004
IPE	BDL	NA	70.00
Total PAH	0.00	NA	
1,1-Dichloroethane	BDL	BDL	700.00
Trichloroethene	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	0.015
Total CVOCs	0.00	0.00	
Lead	0.05	NA	15.00

MW-28D

Constituent	Date					2L Standard
	09/12/02	04/16/03	10/16/03	04/27/04	10/06/04	
Benzene	BDL	BDL	BDL	BDL	BDL	
Toluene	5.30	BDL	BDL	BDL	BDL	1.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	1000.00
Xylenes	BDL	BDL	BDL	BDL	BDL	29.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	530.00
MTBE	BDL	BDL	BDL	BDL	BDL	21.00
EDB	NA	NA	NA	NA	NA	200.00
IPE	BDL	BDL	BDL	1.10	BDL	0.0004
Total VOCs	5.30	0.00	0.00	1.10	0.00	70.00
2-Chlorotoluene	NA	NA	NA	1.60	NA	
1,1-Dichloroethane	9.70	25.00	9.90	24.00	7.20	
1,1-Dichloroethene	5.50	20.00	4.00	8.70	1.10	700.00
Trichloroethene	1.30	3.30	BDL	1.60	BDL	7.00
1,1,1-Trichloroethane	BDL	4.90	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	4.50	BDL	200.00
Vinyl Chloride	BDL	1.50	1.20	1.90	BDL	70.00
Total CVOCs	16.50	54.70	15.10	42.30	8.30	0.015
Lead	NA	NA	NA	BDL	BDL	15.00

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-29

Constituent	Date									2L Standard
	02/13/03	03/21/03	04/15/03	05/20/03	07/24/03	10/17/03	11/04/03	01/14/04	04/26/04	
Benzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	1.00
Toluene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	1000.00
Ethylbenzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	29.00
Xylenes	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	530.00
Naphthalene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	21.00
MTBE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	200.00
EDB	NA	0.0004								
IPE	BDL	BDL	BDL	NA	NA	BDL	NA	NA	BDL	70.00
Total VOCs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
Acenaphthene	NA	NA	1.9	NA	NA	BDL	NA	NA	BDL	80.00
Fluorene	NA	NA	2.0	NA	NA	BDL	NA	NA	BDL	280.00
Chlorobenzene	BDL	3.0	BDL	50.00						
1-Methylnaphthene	NA	NA	16.0	NA	NA	BDL	NA	NA	BDL	NS
Phenanthrene	NA	NA	1.2	NA	NA	BDL	NA	NA	BDL	210.00
1,1-Dichloroethane	BDL	1.00	700.00							
1,1-Dichloroethene	BDL	7.00								
Trichloroethene	BDL	2.80								
Vinyl Chloride	BDL	0.015								
Total CVOCs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.00	
Lead	NA	BDL	15.00							

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 2. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date										2L Standard
	02/13/03	03/21/03	04/15/03	05/20/03	07/24/03	10/17/03	11/04/03	01/14/04	04/28/04	10/05/04	
Benzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	1.00
Toluene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	1000.00
Ethylbenzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	29.00
Xylenes	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	530.00
Naphthalene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	21.00
MTBE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	200.00
EDB	NA	0.0004									
IPE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Acenaphthene	BDL	BDL	BDL	NA	NA	BDL	NA	NA	BDL	NA	80.00
Fluorene	NA	NA	1.00	NA	NA	BDL	NA	NA	BDL	NA	280.00
1-Methylnaphthene	NA	NA	BDL	NA	NA	1.90	NA	NA	BDL	NA	NS
Phenanthrene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	210.00
Chloroethane	BDL	BDL	BDL	BDL	3.90	25.00	20.00	9.90	20.00	BDL	2800.00
Chloroform	BDL	BDL	BDL	BDL	BDL	1.00	BDL	BDL	BDL	BDL	0.19
2-Chlorotoluene	NA	15.00	NA	140.00							
1,1-Dichloroethane	6.10	9.70	6.00	13.00	50.00	47.00	70.00	66.00	69.00	18.00	700.00
1,1-Dichloroethene	12.00	BDL	7.70	18.00	10.00	3.10	6.40	6.70	10.00	1.60	7.00
cis-1,2-Dichloroethene	BDL	BDL	BDL	10.00	4.10	2.80	3.20	3.50	7.60	1.00	70.00
Trichloroethene	4.40	5.70	3.40	2.30	2.40	2.00	2.10	2.20	5.60	BDL	2.80
1,1,1-Trichloroethane	3.20	3.20	BDL	3.40	6.20	3.70	BDL	21.00	37.00	7.80	200.00
Vinyl Chloride	2.00	1.40	BDL	2.50	41.00	26.00	39.00	41.00	34.00	9.40	0.015
Total CVOCs	27.70	20.00	17.10	49.20	117.60	110.60	140.70	150.30	198.20	37.80	
Lead	NA	BDL	BDL	15.00							

BDL Indicates Below Detection Limit.
 NA Indicates Not Analyzed.
 NS Indicates Not Sampled.
 Bold Indicates Concentration Above State 2L Standard.

Table 3: Summary of Recovery Well Analytical Results

RW-1

Constituent	Date													2L Standard
	8/29/99	2/25/00	6/14/00	9/8/00	12/7/00	6/15/01	12/28/01	6/6/02	9/13/02	4/15/03	10/20/03	4/27/04	10/6/04	
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.00	NA	700.00
Benzene	6.80	BDL	1.20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.50	6.10	4.60	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	1.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	1.80	BDL	BDL	1.70	BDL	BDL	BDL	BDL	1.60	BDL	200.00
EDB	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	0.0004
IPE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.50	11.00	8.40	70.00
Total VOCs	6.80	0.00	2.30	1.80	0.00	0.00	1.70	0.00	0.00	0.00	15.00	67.70	13.00	
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.70	80.00
1,1-Dichloroethane	BDL	7.40	BDL	2.90	12.50	5.10	6.20	BDL	3.40	5.30	BDL	BDL	BDL	700.00
1,1 Dichloroethene	BDL	BDL	1.50	1.60	5.40	1.30	2.40	1.70	2.00	1.30	BDL	BDL	BDL	7.00
1,2 Dichloroethane	BDL	BDL	3.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38
Trichloroethene	BDL	2.20	BDL	3.20	3.60	4.80	6.00	3.50	4.00	2.40	2.00	BDL	3.20	2.80
1,1,1 Trichloroethane	BDL	3.40	BDL	1.00	2.80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	2.20	1.80	3.10	3.30	8.40	10.80	NA	NA	NA	2.20	1.80	1.40	70.00
Chloroethane	BDL	BDL	2.90	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2800.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	2.80	2.60	BDL	BDL	1.10	BDL	BDL	BDL	0.015
Total CVOCs	0.00	15.20	9.20	11.80	27.60	24.90	28.00	5.20	9.40	10.10	4.20	1.80	4.60	
1-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	1.20	MDL
2-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	28.00
Phenanthrene	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	210.00
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.10	NA	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 3: Summary of Recovery Well Analytical Results

Constituent	RW-2 (formerly MW-2)												2L Standard
	Date												
	5/7/93	5/20/93	8/29/94	8/29/99	6/14/00	1/23/01	10/26/01	6/6/02	9/13/02	4/16/03	Oct-03	Apr-04	
Benzene	575.00	353.00	95.00	BDL	BDL	1.60	BDL	BDL	BDL	BDL	NS	NS	1.00
Toluene	1160.00	418.00	19.00	BDL	1.70	BDL	BDL	BDL	BDL	BDL	NS	NS	1000.00
Ethylbenzene	84.40	BDL	62.00	BDL	1.00	2.40	BDL	BDL	BDL	BDL	NS	NS	29.00
Xylenes	1425.00	106.00	61.00	BDL	13.00	1.10	BDL	BDL	BDL	BDL	NS	NS	530.00
Naphthalene	NA	NA	2.78	BDL	BDL	BDL	NA	NA	BDL	BDL	NS	NS	21.00
MTBE	NA	BDL	NA	BDL	BDL	BDL	3.00	BDL	BDL	BDL	NS	NS	200.00
EDB	NA	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NS	NS	0.0004
IPE	NA	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	9.80	NS	NS	70.00
Total VOCs	3244.40	877.00	239.80	0.00	15.70	5.10	3.00	0.00	0.00	9.80	NS	NS	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	700.00
1,1 Dichloroethene	NA	NA	NA	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	7.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	2.80
1,1,1 Trichloroethane	NA	NA	NA	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	200.00
cis-,1,2-Dichloroethene	NA	NA	90.00	BDL	6.50	2.60	NA	NA	NA	NA	NS	NS	70.00
Chloroethane	NA	NA	NA	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	2800.00
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	0.015
Total CVOCs	0.00	0.00	90.00	0.00	6.50	3.80	NA	0.00	NA	0.00	NS	NS	
1-Methylnaphthalene	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	BDL	NS	NS	MDL
Phenanthrene	NA	NA	NA	BDL	BDL	BDL	NA	NA	BDL	BDL	NS	NS	210.00
Lead	<0.05	0.20	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 3: Summary of Recovery Well Analytical Results

RW-3

Constituent	Date												2L Standard
	8/29/99	2/25/00	6/14/00	12/7/00	6/15/01	12/28/01	6/4/02	9/12/02	4/15/03	10/20/03	4/26/04	10/6/04	
Benzene	25.50	BDL	7.60	9.70	16.80	10.30	13.00	BDL	BDL	64.00	64.00	61.00	1.00
Toluene	21.50	BDL	3.60	2.90	11.00	2.60	5.90	BDL	BDL	56.00	BDL	BDL	1000.00
Ethylbenzene	22.50	BDL	3.30	1.80	19.30	6.10	11.00	BDL	BDL	64.00	47.00	72.00	29.00
Xylenes	270.00	BDL	16.40	13.20	45.20	6.30	20.80	BDL	BDL	137.00	107.00	170.00	530.00
Naphthalene	11.00	BDL	8.00	7.00	BDL	27.40	NA	6.50	21.00	130.00	110.00	51.00	21.00
MTBE	11.50	BDL	BDL	BDL	NS	7.10	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	0.0004
IPE	BDL	BDL	BDL	BDL	BDL	NS	12.00	BDL	BDL	38.00	36.00	BDL	70.00
Total VOCs	362.00	0.00	38.90	34.60	92.30	59.80	62.70	6.50	21.00	489.00	364.00	354.00	
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.00	NA	70.00
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.00	NA	
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.00	NA	70.00
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
1,1 Dichloroethene	BDL	BDL	1.60	BDL	BDL	BDL	7.00						
Trichloroethene	BDL	BDL	1.00	BDL	BDL	BDL	2.80						
1,1,1 Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	BDL	2.70	BDL	1.40	BDL	NA	BDL	BDL	BDL	BDL	BDL	70.00
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2800.00
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	22.00	BDL	BDL	0.19
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	5.30	0.00	1.40	BDL	0.00	0.00	0.00	22.00	0.00	0.00	
Acenaphthene	BDL	NA	NA	BDL	BDL	BDL	NA	BDL	11.00	BDL	BDL	740.00	80.00
1-Methylnaphthalene	44.00	NA	NA	BDL	BDL	BDL	NA	43.00	23.00	110.00	41.00	190.00	NS
2-Methylnaphthalene	38.00	NA	NA	BDL	BDL	BDL	NA	9.90	BDL	87.00	40.00	190.00	28.00
Benzo (a) anthracene	NA	NA	NA	BDL	BDL	BDL	NA	BDL	BDL	4.50	BDL	BDL	0.0479
Phenanthrene	12.00	NA	NA	24.00	2.60	BDL	NA	24.00	33.00	270.00	BDL	BDL	210.00
Floranthene	NA	NA	NA	BDL	BDL	BDL	NA	BDL	BDL	23.00	BDL	BDL	280.00
Fluorene	NA	NA	NA	BDL	BDL	BDL	NA	12.00	15.00	BDL	BDL	BDL	280.00
Pyrene	NA	NA	NA	BDL	BDL	BDL	NA	4.40	BDL	54.00	BDL	BDL	210.00
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 3: Summary of Recovery Well Analytical Results

RW-4

Constituent	Date												2L Standard
	8/29/99	3/8/00	5/3/00	6/14/00	12/7/00	6/15/01	12/28/01	6/6/02	9/12/02	4/15/03	10/1/03	4/1/04	
Benzene	BDL	BDL	5.00	1.80	3.10	BDL	BDL	1.10	BDL	NS	NS	NS	1.00
Toluene	BDL	BDL	3.00	3.00	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	1000.00
Ethylbenzene	BDL	BDL	4.00	4.00	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	29.00
Xylenes	BDL	BDL	2.00	2.00	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NS	NS	NS	21.00
MTBE	BDL	BDL	5.00	NA	2.20	NA	1.20	BDL	BDL	NS	NS	NS	200.00
EDB	BDL	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NS	NS	NS	0.0004
IPE	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	NS	NS	NS	70.00
Total VOCs	0.00	0.00	19.00	10.80	5.30	0.00	1.20	1.10	0.00	NS	NS	NS	
1,1-Dichloroethane	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	4.00	NN	NS	NS	700.00
1,1 Dichloroethene	BDL	BDL	NA	1.70	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	7.00
Trichloroethene	BDL	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	NS	NS	NS	2.80
1,1,1 Trichloroethane	BDL	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	NS	NS	NS	200.00
cis-,1,2-Dichloroethylene	BDL	BDL	NA	2.80	3.10	BDL	BDL	NA	NA	NS	NS	NS	70.00
Chloroethane	BDL	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	NS	NS	NS	2800.00
Vinyl Chloride	BDL	BDL	NA	2.00	1.20	BDL	BDL	BDL	BDL	NS	NS	NS	0.015
Total CVOCs	0.00	0.00	NA	6.50	4.30	0.00	0.00	0.00	4.00	NS	NS	NS	
1-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS
2-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	28.00
Phenanthrene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	210.00
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 3: Summary of Recovery Well Analytical Results

RW-5

Constituent	Date															2L Standard
	8/29/99	2/25/00	6/14/00	12/7/00	6/15/01	12/27/01	6/4/02	9/12/02	2/13/03	3/21/03	4/15/03	5/20/03	7/24/03	10/17/03	1/14/04	
Benzene	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	1.00
Toluene	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	1000.00
Ethylbenzene	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	29.00
Xylenes	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	530.00
Naphthalene	BDL	BDL	BDL	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	21.00
MTBE	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	200.00
EDB	BDL	BDL	BDL	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	0.0004
IPE	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	70.00
Total VOCs	0.0	0.0	0.0	NS	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1,1-Dichloroethane	202.0	118.5	50.0	NS	100.0	98.2	96.0	150.0	46.0	21.0	12.0	42.0	54.0	26.0	42.0	700.00
1,2-Dichloroethane	BDL	BDL	BDL	NS	BDL	BDL	1.0	1.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38
1,1 Dichloroethene	260.0	BDL	170.0	NS	62.0	88.8	85.0	170.0	49.0	16.0	9.0	21.0	2.9	BDL	3.7	7.00
Trichloroethene	67.2	BDL	65.6	NS	34.4	40.9	38.0	39.0	16.0	7.2	4.2	1.9	BDL	BDL	1.9	2.80
1,1,1 Trichloroethane	518.0	BDL	265.0	NS	198.0	250.0	220.0	250.0	77.0	23.0	BDL	15.0	5.7	2.6	7.1	200.00
cis-,1,2-Dichloroethylene	93.6	63.4	72.4	NS	48.2	53.4	NA	NA	NA	NA	NA	15.0	1.5	BDL	1.9	70.00
1,1,2,2-Tetrachloroethane	BDL	BDL	1.4	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	MDL
1,1,2-Trichloroethane	BDL	BDL	1.6	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	MDL
Chloroform	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.0	BDL	0.19
Chloroethane	7.0	5.0	6.0	NS	4.4	1.4	2.4	4.4	BDL	BDL	BDL	BDL	2.6	23.0	54.0	2800.00
Vinyl Chloride	30.7	20.0	24.6	NS	12.6	4.7	BDL	27.0	7.6	2.7	1.5	7.7	22.0	4.5	29.0	0.015
Total CVOCs	1178.5	206.9	656.6	0.0	459.6	537.4	442.4	642.0	195.6	69.9	26.7	102.6	88.7	57.1	139.6	
1-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	BDL	NA	NS
2-Methylnaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	BDL	NA	28.00
Phenanthrene	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	210.00
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 3: Summary of Recovery Well Analytical Results

RW-5, cont.

Constituent	Date	2L Standard
	4/27/04	
Benzene	BDL	1.00
Toluene	BDL	1000.00
Ethylbenzene	BDL	29.00
Xylenes	BDL	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	NA	0.0004
IPE	BDL	70.00
Total VOCs	0.00	
2-Chlorotoluene	6.00	140.00
1,1-Dichloroethane	72.00	700.00
1,2-Dichloroethane	BDL	0.38
1,1 Dichloroethene	3.70	7.00
Trichloroethene	1.80	2.80
1,1,1 Trichloroethane	9.00	200.00
cis-,1,2-Dichloroethylene	2.60	70.00
1,1,2,2-Tetrachloroethane	BDL	MDL
1,1,2-Trichloroethane	BDL	MDL
Chloroform	BDL	0.19
Chloroethane	25.00	2800.00
Vinyl Chloride	19.00	0.015
Total CVOCs	139.10	
1-Methylnaphthalene	NA	NS
2-Methylnaphthalene	NA	28.00
Phenanthrene	NA	210.00
Lead	6.60	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 3: Summary of Recovery Well Analytical Results

RW-6

Constituent	Date									2L Standard
	10/4/99	12/17/99	6/14/00	12/7/00	6/15/01	12/29/01	4/15/03	10/17/03	4/27/04	
Benzene	BDL	2.20	BDL	BDL	NA	NA	NA	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL	21.00
MTBE	BDL	2.10	BDL	BDL	NA	NA	NA	BDL	BDL	200.00
EDB	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	0.0004
IPE	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL	70.00
Total VOCs	0.00	4.30	0.00	0.00	NA	NA	NA	0.00	0.00	
Fluorene	BDL	5.00	BDL	NA	NA	NA	NA	BDL	NA	280.00
Phenanthrene	BDL	4.00	BDL	NA	NA	NA	NA	BDL	NA	210.00
1,1-Dichloroethane	14.70	7.80	5.80	5.00	2.10	4.10	49.00	15.00	43.00	700.00
1,1 Dichloroethene	26.80	4.90	8.60	1.90	1.40	4.80	28.00	12.00	38.00	7.00
Trichloroethene	10.90	3.20	BDL	1.80	1.10	3.20	13.00	6.50	17.00	2.80
1,1,1 Trichloroethane	53.20	4.00	15.50	7.20	4.90	17.50	66.00	21.00	89.00	200.00
cis-,1,2-Dichloroethene	6.80	6.80	BDL	BDL	BDL	1.80	BDL	3.90	12.00	70.00
Chloroethane	BDL	BDL	5.20	BDL	BDL	BDL	BDL	BDL	1.50	MDL
Vinyl Chloride	3.10	BDL	1.90	BDL	BDL	BDL	9.10	2.60	5.80	0.015
Total CVOCs	115.50	26.70	37.00	15.90	9.50	31.40	165.10	61.00	206.30	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	BDL	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 3: Summary of Recovery Well Analytical Results

RW-7

Constituent	Date												2L Standard
	10/4/99	6/14/00	6/23/00	7/6/00	12/7/00	6/15/01	12/28/01	6/6/02	9/12/02	4/15/03	10/17/03	4/27/04	
Benzene	BDL	BDL	BDL	9.50	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	4.00	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	1.40	BDL	NA	NA	BDL	NA	NA	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	10.60	BDL	NA	NA	BDL	NA	NA	BDL	BDL	530.00
Naphthalene	BDL	BDL	144.00	BDL	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	2.80	BDL	NA	NA	BDL	NA	NA	BDL	BDL	200.00
EDB	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	0.0004
IPE	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA	BDL	BDL	70.00
Total VOCs	0.00	0.00	224.00	28.30	0.00	NA	NA	0.00	NA	NA	0.00	0.00	
1,1-Dichloroethane	10.00	1.70	BDL	2.40	BDL	BDL	1.70	1.50	3.10	24.00	6.20	4.60	700.00
1,1 Dichloroethene	1.60	1.90	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.50	BDL	BDL	7.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
1,1,1 Trichloroethane	BDL	BDL	BDL	2.60	BDL	BDL	1.70	BDL	BDL	BDL	BDL	BDL	200.00
cis-,1,2-Dichloroethylene	3.80	1.90	BDL	2.20	BDL	BDL	1.20	NA	BDL	BDL	BDL	1.10	70.00
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00	BDL	0.19
Chloroethane	BDL	BDL	BDL	1.60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	MDL
Vinyl Chloride	6.00	3.90	BDL	BDL	BDL	1.00	BDL	BDL	BDL	4.10	BDL	BDL	0.02
Total CVOCs	21.40	9.40	0.00	8.80	0.00	1.00	4.60	1.50	3.10	32.60	7.20	5.70	
Lead	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	7.60	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 3: Summary of Recovery Well Analytical Results

RW-8

Constituent	Date										2L Standard
	6/14/00	12/7/00	6/15/00	12/28/01	6/4/02	9/12/02	4/15/03	10/20/03	4/26/04	10/6/04	
Benzene	10.10	BDL	BDL	NS	BDL	BDL	15.00	16.00	15.00	22.00	1.00
Toluene	1.20	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	3.10	BDL	BDL	NS	13.00	BDL	2.00	7.90	BDL	11.00	29.00
Xylenes	4.90	BDL	BDL	NS	BDL	BDL	7.60	10.00	BDL	14.00	530.00
Naphthalene	BDL	BDL	BDL	NS	NA	BDL	2.90	55.00	BDL	79.00	21.00
MTBE	BDL	2.50	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	BDL	BDL	NS	NA	NA	NA	NA	NA	NA	0.0004
IPE	BDL	BDL	BDL	NS	BDL	8.80	24.00	BDL	11.00	BDL	70.00
Total VOCs	19.30	2.50	0.00	NS	13.00	8.80	51.50	88.90	26.00	126.00	
Acenaphthene	BDL	BDL	BDL	NS	BDL	BDL	2.20	4.20	BDL	25.00	80.00
Acenaphthylene	BDL	BDL	BDL	NS	BDL	BDL	BDL	1.30	BDL	BDL	210.00
1-Methylnaphthalene	BDL	BDL	BDL	NS	BDL	BDL	8.90	41.00	BDL	18.00	NS
2-Methylnaphthalene	BDL	BDL	BDL	NS	BDL	BDL	3.30	34.00	BDL	8.20	14.00
Fluorene	BDL	BDL	BDL	NS	BDL	BDL	2.60	6.20	BDL	BDL	280.00
Phenanthrene	BDL	BDL	BDL	NS	BDL	BDL	2.30	9.60	BDL	BDL	210.00
Pyrene	BDL	BDL	BDL	NS	BDL	NA	BDL	1.90	BDL	BDL	210.00
1,1-Dichloroethane	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	BDL	BDL	700.00
1,1 Dichloroethene	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	BDL	BDL	7.00
Trichloroethene	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	BDL	BDL	2.80
1,1,1 Trichloroethane	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	BDL	BDL	200.00
cis-,1,2-Dichloroethene	BDL	BDL	BDL	NS	NA	NA	BDL	BDL	BDL	BDL	70.00
Chloroethane	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	BDL	BDL	MDL
Chloroform	BDL	BDL	BDL	NS	BDL	NA	BDL	22.00	BDL	BDL	0.19
Vinyl Chloride	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	BDL	BDL	0.02
Total CVOCs	0.00	0.00	0.00	NS	0.00	0.00	0.00	22.00	0.00	0.00	
Lead	NA	NA	NA	NS	NA	NA	NA	NA	BDL	NA	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 3: Summary of Recovery Well Analytical Results

RW-9

Constituent	Date											2L Standard
	5/19/00	6/14/00	9/8/00	12/7/00	6/15/01	12/27/01	6/6/02	9/12/02	4/15/03	10/17/03	4/27/04	
Benzene	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	1.00
Toluene	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	29.00
Xylenes	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	530.00
Naphthalene	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NS	21.00
MTBE	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	200.00
EDB	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NS	0.0004
IPE	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	70.00
Total VOCs	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00	0.00	0.00	NS	
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	BDL	1.10	BDL	NS	NS
1,1-Dichloroethane	84.50	75.60	33.00	84.20	78.60	180.00	130.00	120.00	56.00	91.00	NS	700.00
1,1 Dichloroethene	75.10	64.20	38.50	83.40	78.60	102.00	71.00	81.00	39.00	BDL	NS	7.00
Trichloroethene	16.00	15.00	4.60	17.50	21.70	26.00	13.00	12.00	1.80	BDL	NS	2.80
1.1.1 Trichloroethane	50.60	40.20	16.30	37.60	38.90	65.00	31.00	27.00	BDL	2.60	NS	200.00
cis-,1,2-Dichloroethylene	26.80	23.70	11.00	28.00	21.70	42.00	NA	NA	NA	BDL	NS	70.00
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	55.00	NS	2800.00
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00	NS	0.19
Vinyl Chloride	8.50	9.30	1.30	15.10	14.20	12.00	8.40	8.20	4.80	BDL	NS	0.02
Total CVOCs	261.50	228.00	104.70	265.80	253.70	427.00	253.40	248.20	101.60	149.60	NS	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 3: Summary of Recovery Well Analytical Results

RW-10

Constituent	Date		2L Standard
	4/26/04	10/6/04	
Benzene	BDL	BDL	1.00
Toluene	BDL	BDL	1000.00
Ethylbenzene	BDL	27.00	29.00
Xylenes	BDL	40.00	530.00
Naphthalene	72.00	180.00	21.00
MTBE	BDL	BDL	200.00
EDB	BDL	BDL	0.0004
IPE	BDL	BDL	70.00
Total VOCs	72.00	247.00	
Acenaphthene	BDL	130.00	80.00
Acenaphthylene	BDL	BDL	210.00
1-Methylnaphthalene	15.00	82.00	NS
2-Methylnaphthalene	BDL	82.00	14.00
Fluorene	BDL	BDL	280.00
Phenanthrene	BDL	BDL	210.00
Pyrene	BDL	BDL	210.00
1,1-Dichloroethane	BDL	BDL	700.00
1,1 Dichloroethene	BDL	BDL	7.00
Trichloroethene	BDL	BDL	2.80
1,1,1 Trichloroethane	BDL	BDL	200.00
cis-,1,2-Dichloroethene	BDL	BDL	70.00
Chloroethane	BDL	BDL	MDL
Chloroform	BDL	BDL	0.19
Vinyl Chloride	BDL	BDL	0.02
Total CVOCs	0.00	0.00	
Lead	13.00	NA	15.00

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All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

**Table 4. April 2004 Monitoring Well Water Level Data
Nello Teer Quarry, Denfield St.
Durham, North Carolina**

Well #	Top of Casing Elevation ^a	Screen Interval ^b	Depth to Water ^c	Water Table Elevation ^a	Purge Volume (Gallons)
MW-1	329.5	20.0 - 35.0	13.11	316.39	11
MW-7	329.26	9.0 - 14.0	10.23	319.03	8
MW-9	333.65	25.0 - 40.0	20.55	313.10	10
MW-11	327.87	35.0 - 50.0	32.67	295.20	9
MW-13	326.48	50.0 - 65.0	20.98	305.50	22
MW-15i	329.53	25.0 - 40.5	11.89	317.64	14.25
MW-17	327.59	2.5 - 12.5	4.41	323.18	4
MW-18	328.43	3.0 - 13.0	5.32	323.11	4
MW-20D	329.58	110.0 - 115.0	25.04	304.54	45
MW-23	331.87	25.0 - 47.0	16.33	315.54	15.5
MW-25	328.92	4.0 - 14.0	6.56	322.36	3.75
MW-25i	329.03	18.0 - 33.0	19.69	309.34	7
MW-26	328.92	3.0 - 13.0	5.49	323.43	3.75
MW-28D	329.97	85.0 - 90.0	36.64	293.33	27
MW-29	28.89	4.0 - 14.0	6.39	322.50	4
MW-29i	328.74	18.0 - 33.0	19.22	309.52	7

Measurements collected April 13, 2004.

^a surveyed elevation, referenced to mean sea level

^b feet below land surface

^c feet below top of casing

**Table 5. Groundwater Sample Results-Shallow Monitoring Wells
April 2004 Sampling Event
Nello Teer Quarry, Denfield Street
Durham, North Carolina**

PARAMETER	MW-7	MW-17	MW-18	MW-25	MW-25i	MW-26	MW-29	MW-29i	2L LIMITS
Benzene	BDL ^a	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.0
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.0
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.0
Xylenes (Total)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.0
Lead	BDL	BDL	BDL	BDL	12.0	BDL	BDL	BDL	15.0
2-Methylnaphthalene	NA	NA ^b	NA	NA	BDL	NA	BDL	BDL	14.0
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.0/6.0 ^c
Acenaphthene	NA	NA	NA	NA	BDL	NA	BDL	BDL	80.0
Chloroethane	BDL	BDL	BDL	100.0	110.0	BDL	BDL	20.0	2800.0
2-Chlorotoluene	BDL	BDL	BDL	7.7	BDL	BDL	BDL	15.0	140.0
4-Chlorotoluene	BDL	BDL	BDL	BDL	6.6	BDL	BDL	BDL	NS ^d
1,1-Dichloroethane	BDL	2.6	BDL	120.0	92.0	2.0	1.0	69.0	700.0
1,1-Dichloroethene	BDL	BDL	BDL	10.0 ^e	BDL	1.0	BDL	10.0	7.0
1,2-Dichloroethane	BDL	BDL	BDL	1.5	BDL	BDL	BDL	BDL	0.38
cis-1,2-Dichloroethene	BDL	BDL	BDL	6.9	BDL	2.6	BDL	7.6	70.0
Trichloroethene	BDL	BDL	BDL	2.3	BDL	BDL	BDL	5.6	2.8
1,1,1-Trichloroethane	BDL	BDL	BDL	21.0	7.0	BDL	BDL	37.0	200.0
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.0
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.70
Vinyl chloride	BDL	BDL	BDL	65.0	48.0	BDL	BDL	34.0	0.015
Total CVOCs	--	2.6	--	334.4	263.6	5.6	1.0	198.2	--

All Values in µg/L.

^a BDL Indicates Below Detection Limit.

^b NA Indicates Parameter Not Included in Analyses.

^c Proposed Standard of 6.0 µg/l.

^d NS Indicates No Standard Exists for this Compound.

^e Bold Text Indicates Concentration in Excess of State Standard.

Table 5, cont. Groundwater Sample Results-Shallow Recovery Wells
 April 2004 Sampling Event
 Nello Teer Quarry, Denfield Street
 Durham, North Carolina

PARAMETER	RW-5	RW-6	RW-7	RW-10	2L LIMITS
Benzene	BDL ^a	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	1,000.0
Ethylbenzene	BDL	BDL	BDL	BDL	29.0
Xylenes (Total)	BDL	BDL	BDL	BDL	530.0
Naphthalene	BDL	BDL	BDL	72.0 ^b	21.0/6.0 ^c
Lead	6.6	BDL	7.6	13.0	15.0
1-Methylnaphthalene	NA ^d	NA	NA	15.0	NS ^e
Bromomethane	BDL	BDL	BDL	BDL	1.0
Chloroform	BDL	BDL	BDL	BDL	0.19
Chloroethane	25.0	1.5	BDL	BDL	2,800.0
2-Chlorotoluene	6.0	BDL	BDL	BDL	140.0
1,1-Dichloroethane	72.0	43.0	4.6	BDL	700
1,1-Dichloroethene	3.7	38.0	BDL	BDL	7.0
cis-1,2-Dichloroethene	2.6	12.0	1.1	BDL	70.0
Trichloroethene	1.8	17.0	BDL	BDL	2.80
1,1,1-Trichloroethane	9.0	89.0	BDL	BDL	200.0
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	1.00
Tetrachloroethene	BDL	BDL	BDL	BDL	0.70
Vinyl Chloride	19.0	5.8	BDL	BDL	0.015
Total CVOCs	139.1	206.3	5.7	--	--

All Values in µg/L.

^a BDL Indicates Below Detection Limit.

^b Bold Text Indicates Concentration In Excess of State Standard.

^c Proposed Standard of 6.0µg/l.

^d NA Indicates Compound Not Included in Analyses.

^e NS Indicates No Standard Currently Exists for Compound.

Table 5, cont.

Groundwater Sample Results-Deep Monitoring Wells
 April 2004 Sampling Event
 Nello Teer Quarry, Denfield Street
 Durham, North Carolina

PARAMETER	MW-1	MW-9	MW-11	MW-13	MW-15i	MW-20D	MW-23	MW-28D	2L LIMITS
Benzene	BDL ^a	BDL	BDL	BDL	BDL	BDL	11.0 ^b	BDL	1.0
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.0
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	3.6	BDL	29.0
Xylenes (Total)	BDL	BDL	BDL	BDL	BDL	BDL	5.9	BDL	530.0
Lead	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15.0
Acetone	BDL	BDL	BDL	76.0	BDL	BDL	BDL	BDL	700.0
2-Chlorotoluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.6	140.0
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	1.3	BDL	350.0
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	7.1	BDL	70.0
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	9.8	BDL	70.0
n-Butylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	70.0
sec-Butylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	2.6	BDL	70.0
DIPE	BDL	BDL	BDL	4.5	BDL	2.1	7.5	1.1	70.0
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	9.4	BDL	21.0/6.0 ^c
1,1-Dichloroethane	BDL	BDL	1.2	3.4	BDL	BDL	BDL	24.0	700.0
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.7	7.0
cis-1,2-Dichloroethene	BDL	BDL	BDL	1.4	BDL	BDL	BDL	4.5	70.0
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.6	2.8
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200.0
Tetrachloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.7
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.9	0.015
Total CVOCs	--	--	1.2	4.8	--	--	--	42.3	--

All Values in µg/L.

^a BDL Indicates Below Detection Limit

^b Bold Text Indicates Concentration In Excess of State Standard.

^c Proposed Standard of 6.0 µg/l.

Table 5, cont. Groundwater Sample Results-Deep Recovery Wells
 April 2004 Sampling Event
 Nello Teer Quarry, Denfield Street
 Durham, North Carolina

PARAMETER	RW-1	RW-2	RW-3	RW-4	RW-8	RW-9	2L LIMITS
Benzene	6.1 ^a	NS ^b	64.0	NS	15.0	NS	1.0
Toluene	BDL ^c	NS	BDL	NS	BDL	NS	1000.0
Ethylbenzene	BDL	NS	47.0	NS	BDL	NS	29.0
Xylenes (Total)	BDL	NS	107.0	NS	BDL	NS	530.0
Lead	6.1	NS	BDL	NS	BDL	NS	15.0
Acetone	49.0	NS	BDL	NS	BDL	NS	700.0
MTBE	1.6	NS	BDL	NS	BDL	NS	200.0
DIPE	11.0	NS	36.0	NS	11.0	NS	70.0
Isopropylbenzene	BDL	NS	17.0	NS	BDL	NS	70.0
n-Propylbenzene	BDL	NS	22.0	NS	BDL	NS	70.0
Naphthalene	BDL	NS	110.0	NS	BDL	NS	21.0/6.0 ^d
1,2,4-Trimethylbenzene	BDL	NS	28.0	NS	BDL	NS	350.0
1-Methylnaphthalene	BDL	NS	41.0	NS	BDL	NS	NS ^e
2-Methylnaphthalene	BDL	NS	40.0	NS	BDL	NS	14.0
Chloroethane	BDL	NS	BDL	NS	BDL	NS	2800.0
1,1-Dichloroethane	BDL	NS	BDL	NS	BDL	NS	700.0
cis-1,2-Dichloroethene	1.8	NS	BDL	NS	BDL	NS	70.0
Trichloroethene	BDL	NS	BDL	NS	BDL	NS	2.8
1,1,1-Trichloroethane	BDL	NS	BDL	NS	BDL	NS	200.0
Vinyl chloride	BDL	NS	BDL	NS	BDL	NS	0.015
Total CVOCs	1.8	--	--	--	--	--	--

All Values in µg/L.

^a Bold Text Indicates Concentration Above State Standard.

^b NS Indicates Well was Not Sampled.

^c BDL Indicates Below Detection Limit.

^d Proposed Standard of 6.0 µg/L.

^e NS Indicates No Standard Exists for this Compound.

**Table 6. January 14, 2004 Field Parameters Summary
HRC® Pilot Study
Nello Teer Quarry, Denfield Street
Durham, North Carolina**

PARAMETER	MW-18	MW-29	MW-29i	MW-25	MW-25i	RW-5
PH	6.29	6.84	6.92	6.99	6.88	7.28
ORP, mV	-64	-50	-99	-105	-80	-92
Conductivity, mS/m	76	4.1	82	95	97	85
Turbidity, NTU	-8.6	48.0	>999	319	539	60.3
Dissolved Oxygen, mg/l	8.80	5.47	4.59	6.06	5.49	8.53
Temperature, °C	11.9	11.0	17.6	15.6	17.9	17.2
Salinity, %	0.0	0.0	0.0	0.0	0.0	0.0
Total Dissolved Solids, g/l	0.49	0.27	0.52	0.61	0.61	0.53

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**Table 7. Water Supply Well Survey Summary
Nello Teer Quarry
Durham, North Carolina**

Well No. ^a	Property Owner and Address	Property Occupant and Property Address	Well Use	Well Depth, ft. BGS ^b	Well Casing Depth and Screen Interval, ft. BGS	Type of Well	Distance from Well to Source Area, ft.
1	Harvey L. Harris 125 Chattleton Ct., Durham 27712 (919) 477-8706	Mobile Communications, Inc. 1003 Comm. Drive, Durham (919) 477-1610	Supply	>200	Unknown	Drilled	700
2	Harvey L. Harris 125 Chattleton Ct., Durham 27712 (919) 477-8706	Pinnacle Communications, Inc. 1001 Comm. Drive, Durham (971) 362-8886	Un- known ^c	Unknown	Unknown	Hand Dug?	800
3	Donald W. Ward PO Box 15157, Durham, 27704	D.W. Ward Construction Co. 1006 Communication Drive, Durham (919) 477-0471	Supply	Unknown	Unknown	Drilled	1,000
4	Rodney T. Thomas 987 Bowen Rd., Rougemont, NC	Lee's Welding 1002 Comm. Drive, Durham (919) 477-6300	Supply	Unknown	Unknown	Drilled	1,070
5	Proctor, Proctor and Lauva, LLC 243 Russie Crabtree Road, Rougemont, NC	Mayo Farms Trucking 4934 Denfield St., Durham (919) 471-1844	Supply	Unknown	Unknown	Drilled	740
6	Proctor, Proctor and Lauva, LLC 243 Russie Crabtree Road, Rougemont, NC	Proctor Trucking 4918 Denfield St., Durham (919) 477-7594	Supply	Unknown	Unknown	Drilled	1,040
7	A.L. Derr (?) 4921 (?) Denfield St. Durham	A.L. Derr 4921 (?) Denfield St. Durham	Septic Only	50	Unknown	Drilled	1,040

^a Well Number refers to Numbers Illustrated on Figure 17.

^b BGS Means Below Ground Surface

^c This Well is Rumored to Exist, Not Confirmed.

**Table 7, cont. Water Supply Well Survey Summary
Nello Teer Quarry
Durham, North Carolina**

Well No.	Property Owner and Address	Property Occupant and Property Address	Well Use	Well Depth, ft. BGS ^b	Well Casing Depth and Screen Interval, ft. BGS	Type of Well	Distance from Well to Source Area, ft.
8	Julius and Cheri Bartell 4911 Denfield St. Durham	Julius and Cheri Bartell 4911 Denfield St. Durham	Septic Only	>50	Unknown	Drilled	1,270
9	Church of God of Prophecy Trustees PO Box 15820 Durham 27704	Church of God of Prophecy 4907 Denfield St. Durham	Supply	Unknown	Unknown	Un- known	1,500

^a Well Number refers to Numbers Illustrated on Figure 17.

^b BGS Means Below Ground Surface.

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**Table 8. Adjacent Property Owners
Nello Teer Quarry
Durham, North Carolina**

Durham County Tax Parcel Number	Property Owner and Address	Parcel Address from GIS Record	Direction/ Apparent Hydraulic Relationship
0834-03-13-4740	Central Engineering and Contracting Benchmark Carolina Aggregates PO Box 13983, RTP, NC 27709 (919) 380-2600	0 Stanley Road	Cross Gradient of Both Aquifers
0834-03-24-8683	Hanson Aggregates Southeast, Inc. PO Box 13983, RTP, NC 27709 (919) 380-2600	0 Ward Street	Down-gradient of Deep Aquifer, Up-gradient of Shallow Aquifer
0834-03-23-0004	Central Engineering and Contracting Benchmark Carolina Aggregates PO Box 13983, RTP, NC 27709 (919) 380-2600	0 Denfield Street	Down-gradient of Shallow Aquifer, Up-gradient of Deep Aquifer
0834-03-44-1383	Hanson Aggregates Southeast, Inc. PO Box 13983, RTP, NC 27709 (919) 380-2600	0 Stanley Road	Down-gradient of Deep Aquifer, Up-gradient of Shallow Aquifer
0834-03-13-5083	Central Engineering and Contracting Benchmark Carolina Aggregates PO Box 13983, RTP, NC 27709 (919) 380-2600	4921 Denfield Street	Down-gradient of Shallow Aquifer and Up-gradient of Deep Aquifer
0834-03-21-8749	Crossman Communities of North Carolina, Inc. PO Box 12033, Durham, NC 27709	0 Denfield Street	Cross-gradient of Shallow Aquifer and Up-gradient of Deep Aquifer

**Table 9. Downgradient Property Owners
Nello Teer Quarry
Durham, North Carolina**

Durham County Tax Parcel Number	Property Owner and Address	Parcel Address from GIS Record	Direction/ Apparent Hydraulic Relationship
0834-03-23- 0004	Central Engineering and Contracting Benchmark Carolina Aggregates PO Box 13983, RTP, NC 27709 (919) 380-2600	0 Denfield Street	Down-gradient of Shallow Aquifer, Up-gradient of Deep Aquifer
0834-03-13- 5083	Central Engineering and Contracting Benchmark Carolina Aggregates PO Box 13983, RTP, NC 27709 (919) 380-2600	4921 Denfield Street	Down-gradient of Shallow Aquifer and Up-gradient of Deep Aquifer

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**Table 10. Evaluation of Soil Remediation Alternatives
Nello Teer Quarry
Durham, North Carolina**

Remedial Action Alternative	Excavation and Disposal
Feasibility	Viable technology for the removal of contaminated soil.
Soil Disposal Options	Permitted facility subtitle D landfill.
Advantages	Quick, efficient removal of contaminants. No DENR permit required. Backfill readily available at site.
Disadvantages	Relatively expensive. (\$70,000)

Remedial Action Alternative	Soil Vapor Extraction (SVE)
Feasibility	Viable technology for the removal of solvent residuals from soil.
Soil Disposal Options	No disposal required.
Advantages	Proven technology. Efficient removal of contaminants.
Disadvantages	Relatively expensive. (\$110,000) Dense soil at site. Fairly lengthy operation may be required to achieve goals. On-going O&M required.

Table 10,cont. **Evaluation of Soil Remediation Alternatives**
Nello Teer Quarry
Durham, North Carolina

Remedial Action Alternative	Natural Attenuation
Feasibility	Viable technology for the removal of solvent residuals from soil.
Soil Disposal Options	No disposal required.
Advantages	Proven technology. Low cost. Non-invasive. No O&M.
Disadvantages	Relatively slow. Contaminants could impact groundwater.

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Table 11, cont. **Evaluation of Groundwater Remediation Alternatives**
Nello Teer Quarry
Durham, North Carolina

Remedial Action Alternative	Pump and Treat
Feasibility	<p>Viabile technology for the removal of volatile organic compounds.</p> <p>Applicable for contaminants with low solubilities, high vapor pressure, and low boiling points.</p>
Groundwater Disposal Options	Discharge to Surface Water or POTW.
Advantages	<p>Existing system in place.</p> <p>Efficient removal of VOC's in groundwater.</p>
Disadvantages	<p>System annual O&M costs are high. (\$63,600/Yearly)</p> <p>Groundwater disposal options are very limited at site. No POTW access currently exists at site.</p> <p>Limited effectiveness in fractured bedrock aquifers.</p> <p>Must routinely pass Chronic Toxicity testing.</p> <p>Additional recovery wells may be needed to accelerate recovery of water near RW-6. (\$20,000)</p>

Table 11, cont. **Evaluation of Groundwater Remediation Alternatives**
Nello Teer Quarry
Durham, North Carolina

Remedial Action Alternative	Natural Attenuation
Feasibility	Viable method of natural treatment by naturally occurring micro-organisms or processes in groundwater.
Groundwater Disposal Options	Not Applicable
Advantages	Proven technology. (\$10,000/sampling event) No capital or O&M costs. Method easy to implement. Screening and modeling performed support this methodology.
Disadvantages	Contamination could migrate off-site, but unlikely. Potential slow rate of contaminant breakdown or adsorption/dilution.

Table 11, cont. **Evaluation of Groundwater Remediation Alternatives**
Nello Teer Quarry
Durham, North Carolina

Remedial Action Alternative	HRC® Injection
Feasibility	Viable in-situ technology for the degradation of chlorinated solvent compounds.
Groundwater Disposal Options	Not Applicable
Advantages	<p>Proven to be effective at this site.</p> <p>Accelerates rates of natural attenuation.</p> <p>No on-going O&M costs</p>
Disadvantages	<p>Significant initial costs for material and drilling (\$160,000)</p> <p>Effectiveness may be limited in bedrock aquifer.</p> <p>Significant length of time required to obtain injection permit.</p> <p>On-going sampling and analytical tests required by injection permit are expensive (\$35,000/Year)</p>

**Table 12. Results of Preliminary Screening for Anaerobic Biodegradation Process, Described by Wiedemeier et al, 1998
Nello Teer Quarry, Denfield St.
Durham, North Carolina**

Analyte	Concentration in Most Contaminated Zone (Actual Value Measured in Plume Shown in Parentheses)	Interpretation	Potential Value	Site Score
Oxygen	<0.5 mg/l (6.69)	Tolerated, suppresses the reductive pathway at higher concentrations	3	0
Oxygen	>5mg/l (6.69)	Not tolerated: however, VC may be oxidized aerobically	-3	-3
Nitrate	<1 mg/l (<100µg/l)	At higher concentrations may compete with reductive pathway	2	2
Iron II	>1 mg/l (2,118 mg/l)	Reductive pathway possible: VC may be oxidized under Fe ⁺³ reducing conditions	3	3
Sulfate	<20 mg/l (27.6 mg/l)	At higher concentrations may compete with reductive pathway	2	0
Sulfide	>1 mg/l (20 µg/l)	Reductive pathway possible	3	0
Methane	<0.5 mg/l (<1 mg/l)	VC oxidizes	0	0
	>0.5 mg/l	Ultimate reductive daughter product, VC accumulates	3	
ORP	<50 mV (-92.3 mV)	Reductive pathway possible	1	1
	<-100 mV	Reductive pathway likely	2	
pH	5<pH<9 (7.05)	Optimal range for reductive pathway	0	0
	5>pH>9	Outside optimal range for reductive pathway	-2	
TOC	>20 mg/l (6.4 mg/l)	Carbon and energy source; drives dechlorination	2	0
Temp	>20 °C (16.9 °C)	>20°C biochemical process accelerated	1	0
CO ₂	>2x background (40 vs. 96 mg/l)	Ultimate oxidative daughter product	1	0
Alkalinity	>2x background (256.7 vs. 310 mg/l)	From interaction between CO ₂ and aquifer minerals	1	0
Chloride	>2x background (32.3 vs. 4.5 mg/l)	Daughter product of organic chlorine	2	2
Hydrogen	>1 nM (2.7)	Reductive pathway possible, VC may accumulate	3	3
Hydrogen	<1 nM (2.7)	VC oxidized	0	0

Measurements collected April 13, 2004.

Quantum Project No. 0013-94-012

**Table 12, cont. Results of Preliminary Screening for Anaerobic Biodegradation Process, Described by Wiedemeier et al, 1998
Nello Teer Quarry, Denfield St.
Durham, North Carolina**

Analyte	Concentration in Most Contaminated Zone (Actual Value Measured in Plume Shown in Parentheses)	Interpretation	Potential Value	Site Score
Volatile Fatty Acids	>0.1 mg/l (All BDL although detection limit elevated) ^a	Intermediates resulting from biodegradation of more complex compounds	2	0
BTEX	>0.1 mg/l (No significant quantity detected)	Carbon and energy source; drives dechlorination	2	0
PCE	(2.56 µg/l)	Material released	0	0
TCE	(28 µg/l)	If material released If daughter product of PCE	0 2	2
DCE		If material released If daughter product of TCE	0 2	0
VC		If material released If daughter product of DCE	0 2	2
1,1,1-TCA		If material released	0	0
DCA		Daughter product of TCA under reducing conditions	2	2
Carbon Tetrachloride		If material released	0	0
Chloroethane		Daughter product of DCA or VC under reducing conditions	2	2
Ethene/ Ethane	>0.01 mg/l (All BDL) ^a >0.1 mg/l (All BDL) ^a	Daughter product of VC/ethane	2 3	0 ^a
Chloroform		If material released If daughter product of Carbon Tetrachloride	0 2	0
Dichloro- methane		If material released If daughter product of Chloroform	0 2	0
		Cumulative Score		16

Measurements collected April 13, 2004.

^a Detection limits consistently elevated throughout study to a minimum of at least 1 mg/l, thus 2 or 3 points possible at site for this analyte.

**Table 13. Biochlor 2.2 Input Variables
Nello Teer Quarry
Durham, North Carolina**

Input Variable	Value Used	Source of Value
Conductivity	8.5 x 10 ⁻⁸ cm/sec.	Slug Test performed on MW-1.
Groundwater Gradient	0.025 ft./ft.	April 2004 Sampling Event Data
Effective Porosity	0.30	Estimated, but Conservative
Estimated Vinyl Chloride Plume Length, Used in Dispersivity Factor Determination	187.5 feet	Measured, Based on April 2004 Sampling Event Data.
Adsorption	1.0	Very Conservative Value. Values Included in Example Model Ranged From 7.13 to 1.43. Lower Number Means Less Adsorption.
Half-Life Values (Biotransformation)	PCE- 9.9 yrs. TCE – 13.9 yrs. DCE – 3.9 yrs. VC – 5.8 yrs.	Used Most Conservative Values Listed in Model for Each Constituent, Obtained from Literature by Authors of Model.
Modeled Area Width	675 feet	Measured. Based on Size of Plume and Distance to Property Line.
Modeled Area Length	412.5 feet	Measured. Based on Size of Plume and Distance to Property Line.
Source Thickness in Saturated Zone	30 feet	Approximately 5 feet to Groundwater in Area, and 35 feet to Base of Surficial Aquifer.
Source Width in Saturated Zone	37.5 feet	Estimated, Based on Size of Plume Near MW-25. Minor Variations in Width had Negligible Apparent Effect on Output.
Source Contaminant Concentrations	PCE – 0.0 mg/l TCE – 0.003 mg/l DCE – 0.01 mg/l VC – 0.065 mg/l ETH – 0.0 mg/l	MW-25 April 2004 Sampling Event Data
Source Decay Constant	0.002 ks/yr.	Slope Obtained from Graph of Contaminant Concentrations vs. Time.

Appendix A

June 2004 Soil Boring Logs

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: <i>0013-94-012</i>		PROJECT NAME: <i>Teer</i>	
BORING NUMBER: <i>SB-1</i>		COORDINATES:	DATE:
ELEVATION (TOC):	GWL: DEPTH	DATE/TIME	DATE STARTED: <i>6/11/04</i>
ENGINEERING/GEOLOGIST: <i>JWH</i>	DEPTH	DATE/TIME	DATE COMPLETED: <i>11/11/04</i>
DRILLING METHODS: <i>HSA/SS</i>			PAGE <i>1</i> / OF <i>1</i>

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1	1	13	25	50	13	1'	Brown <u>Silt</u> , <u>Mt.</u> , with some gravel. Very hard.	—	
2									
3	2	64	80	10	—	6"	As above.	—	
4									
<p><i>0935- collect SB-1 (0-4' interval).</i></p>									

NOTES: *SB-1*

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: <i>0013-94-012</i>		PROJECT NAME: <i>Teer</i>	
BORING NUMBER: <i>SB-2</i>		COORDINATES:	DATE:
ELEVATION (TOC):		GWL: DEPTH	DATE STARTED <i>6/11/04</i>
ENGINEERING/GEOLOGIST: <i>JUP</i>		DEPTH	DATE COMPLETED: <i>"</i>
DRILLING METHODS: <i>HSA/SS</i>		PAGE (OF 1	

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1	1	4	9	27	40	14"	<p><i>Brown Clay, Cl, with some pebbles, into Brown Silt, Ml, with many pebbles.</i></p> <p><i>As above.</i></p> <p><i>0950 - collect SB-2-1 (0-2').</i></p> <p><i>0955 - collect SB-2-2 (2-4').</i></p>	—	
2		27						—	
3	2	14	19		38	10"		—	
4									

NOTES: *SB-2*

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: <i>0013-94-012</i>		PROJECT NAME: <i>TEER</i>	
BORING NUMBER: <i>SB-4</i>		COORDINATES:	DATE:
ELEVATION (TOC):		GWL: DEPTH	DATE STARTED <i>6/4/04</i>
ENGINEERING/GEOLOGIST:		DEPTH	DATE COMPLETED: <i>11</i>
DRILLING METHODS:		PAGE <i>1</i> OF <i>1</i>	

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1	1	16	60	49	17	20"	—		
2						—			
3	2	19	36	32	21		14"		
4									

Gray Silt, ML, with some pebbles.
As above, into dk. Green Clay. Cl., in bottom 2 inches.

1025- collect SB-4-1 (0-2').
1035- collect SB-4-2 (2-4').

NOTES: *SB-4*

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: <i>00B-94-012</i>	PROJECT NAME: <i>Teer</i>		
BORING NUMBER: <i>SB-5</i>	COORDINATES:	DATE:	
ELEVATION (TOC):	GWL: DEPTH	DATE/TIME	DATE STARTED <i>6/11/04</i>
ENGINEERING/GEOLOGIST: <i>JWB</i>	DEPTH	DATE/TIME	DATE COMPLETED: <i>6/11/04</i>
DRILLING METHODS: <i>HSA/SS</i>	PAGE 1 OF 1		

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1							<i>1045- Collected SB-5 (1-3')</i>		
2	1	22	23	31	40	<i>dk. Gray Silt, Mh, with some pebbles.</i>			
3									

NOTES: *SB-5*

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: <i>0013-94-012</i>	PROJECT NAME: <i>FEAR</i>		
BORING NUMBER: <i>SB-6</i>	COORDINATES:	DATE:	
ELEVATION (TOC):	GWL: DEPTH	DATE/TIME	DATE STARTED <i>6/11/04</i>
ENGINEERING/GEOLOGIST: <i>TWP</i>	DEPTH	DATE/TIME	DATE COMPLETED: <i>6/11/04</i>
DRILLING METHODS: <i>USA/SS</i>	PAGE <i>1</i> OF <i>1</i>		

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1	1	9	53	37	41	18"	—		
2									
3	2	6	9	13		10'	—		
4					17				

dk gray silt, M, with some pebbles, becoming dk. brown.
dk gray silt, M, with some pebbles.

1055- Collected SB-6-1 (1-2')
1105- Collected SB-6-2 (2-4')

NOTES: *SB-6*

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: <i>0013-04-012</i>		PROJECT NAME: <i>Teer</i>	
BORING NUMBER: <i>SB-7</i>		COORDINATES:	DATE:
ELEVATION (TOC):		GWL: DEPTH	DATE STARTED <i>6/11/04</i>
ENGINEERING/GEOLOGIST: <i>JWR</i>		DEPTH	DATE COMPLETED: <i>"</i>
DRILLING METHODS: <i>HSA/SS</i>		PAGE <i>1</i> OF <i>1</i>	

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1									
2	1	6	9	14	29	18"			
3									
4	2	5	27	43	75	20"			
5						49			

Maroon Clay, Ch, into Gray silt, M, with some pebbles.
dk. brown clay, ch, and silt, M, with few pebbles.

1115 - Collected SB-7-1 (1-3').
1125 - Collected SB-7-2 (3-5').

NOTES: *SB-7*

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: <i>0013-94-012</i>		PROJECT NAME: <i>Teer</i>	
BORING NUMBER: <i>SB-8</i>		COORDINATES:	
ELEVATION (TOC):		GWL: DEPTH	DATE/TIME
ENGINEERING/GEOLOGIST: <i>JWA</i>		DEPTH	DATE/TIME
DRILLING METHODS: <i>HSA/SS</i>		DATE STARTED: <i>6/11/04</i>	
		DATE COMPLETED:	
		PAGE <i>1</i> OF <i>1</i>	

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1	1	9	27	46	13	16"	<p><i>dk. Gray silt, M, with some pebbles, into Maroon silt at base.</i></p> <p><i>Maroon silt, M, with few pebbles, into dk. green silt, M, with few pebbles.</i></p> <p><i>1135 - Collect SB-8-1 (0-2').</i></p> <p><i>1145 - Collect SB-8-2 (2-4').</i></p>		
2		10	14	23	24	18"			
3	2								
4									

NOTES: *SB-8*

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: <i>03-94-012</i>	PROJECT NAME: <i>Teer</i>		
BORING NUMBER: <i>SB-9</i>	COORDINATES:		DATE:
ELEVATION (TOC):	GWL: DEPTH	DATE/TIME	DATE STARTED <i>6/4/04</i>
ENGINEERING/GEOLOGIST: <i>MLP</i>	DEPTH	DATE/TIME	DATE COMPLETED: <i>"</i>
DRILLING METHODS: <i>USA/CS</i>	PAGE <i>1</i> OF <i>1</i>		

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1	1	18	37	42	36	20"	OK Gray Silt, Mh, with some pebbles	—	
2									
3	2	17	18	23	25	12"	Same.	—	
4									

1235- collect SB-9-1 (0-2')
1240- collect SB-9-2 (2-4')

NOTES: *SB-9*

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: <u>013-94-012</u>		PROJECT NAME: <u>TRV</u>	
BORING NUMBER: <u>SB-10</u>		COORDINATES:	DATE:
ELEVATION (TOC):		GWL: DEPTH	DATE STARTED: <u>6/11/09</u>
ENGINEERING/GEOLOGIST: <u>TWD</u>		DEPTH	DATE COMPLETED:
DRILLING METHODS: <u>WSA/SS</u>		PAGE	OF

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1	1	11	27	35	44	16"	Dk. Gray <u>silt</u> , M _h with some gravel.	—	
2									
3	2	17	28	37	50	18"	As above, into <u>Medium silt</u> , M _h with few pebbles.	—	
4									
<p>1255- Collect SB-10-1 (0-2')</p> <p>1305- Collect SB-10-2 (2-4')</p>									

NOTES: SB-10

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: <i>003-94-012</i>		PROJECT NAME: <i>Teer</i>	
BORING NUMBER: <i>SB-11</i>		COORDINATES:	
ELEVATION (TOC):		GWL: DEPTH	DATE/TIME
ENGINEERING/GEOLOGIST: <i>TWP</i>		DEPTH	DATE/TIME
DRILLING METHODS: <i>HSA/SS</i>		DATE STARTED: <i>6/11/04</i>	
		DATE COMPLETED: <i>"</i>	
		PAGE <i>1</i> OF <i>1</i>	

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1	1	13	32	50	14"	<p><i>Gray silt, M, with some gravel.</i></p> <p><i>As above, with some Maroon and dark yellow/brown silt, M, with few pebbles.</i></p> <p><i>1325- collect SB-11-1 (0-2').</i></p> <p><i>1330- collect SB-11-2 (2-4').</i></p>	—		
2	2	16	17	13	16"		—		
3									
4									

NOTES:

SB-11

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: 0013-94-012		PROJECT NAME: Teen	
BORING NUMBER: SB-12		COORDINATES:	
ELEVATION (TOC):		GWL: DEPTH	DATE/TIME
ENGINEERING/GEOLOGIST: JLD		DEPTH	DATE/TIME
DRILLING METHODS: HSA/SS		DATE STARTED: 6/11/04	
		DATE COMPLETED: "	
		PAGE 1 OF 1	

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1	1	17	27	33	50	14"	dk. Gray <u>silt</u> , M, with some pebbles.		
2									
3	2	12	16	18	13	16"	As above, into dk. yellow/brown <u>silt</u> , M, with little pebbles.		
4									
<p>1340- Collect SB-12-1(0-2').</p> <p>1345- Collect SB-12-2(2-4').</p>									

NOTES: SB-12

FIELD BORING LOG Quantum Environmental, Inc.

PROJECT NUMBER: <i>0013-94-012</i>		PROJECT NAME: <i>Fleur</i>	
BORING NUMBER: <i>SB-15</i>		COORDINATES:	DATE:
ELEVATION (TOC):	GWL: DEPTH	DATE/TIME	DATE STARTED: <i>6/11/09</i>
ENGINEERING/GEOLOGIST: <i>TUP</i>	DEPTH	DATE/TIME	DATE COMPLETED: <i>"</i>
DRILLING METHODS: <i>HSA/SS</i>			PAGE <i>1</i> OF <i>1</i>

DEPTH (FEET)	SAMPLE NO	BLOWS ON SAMPLER				RECOVERY	VISUAL FIELD CLASSIFICATION	OVA READINGS	WELL CONSTRUCTION DETAIL
		1"	2"	3"	4"				
1	1	19	33	43	14M	Dh. Gray <u>Silt</u> <u>Mt.</u> , with some pebbles. Yellow <u>Silt</u> , <u>Mt.</u> , at base.	—		
2				54					
<i>1415- Collect SB-15 (0-2').</i>									

NOTES: *SB-15*

Appendix B
Soil Sampling Chain-of-Custody
and Analytical Results



**ENVIRONMENTAL
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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-1
Collected By : Tom Davis
Collection Date : 06/11/04 09:35

ESC Sample # : L158186-01

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	96.8		%	2540G	06/18/04	1
Volatile Organics						
Acetone	0.030	0.028	mg/kg	8260B	06/17/04	1.08
Acrolein	BDL	0.056	mg/kg	8260B	06/17/04	1.08
Acrylonitrile	BDL	0.011	mg/kg	8260B	06/17/04	1.08
Benzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Bromobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Bromoform	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Bromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Chlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Chloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
2-Chloroethyl vinyl ether	BDL	0.056	mg/kg	8260B	06/17/04	1.08
Chloroform	BDL	0.0056	mg/kg	8260B	06/17/04	1.08
Chloromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,2-Dibromo-3-Chloropropane	BDL	0.0022	mg/kg	8260B	06/17/04	1.08
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Dibromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Dichlorodifluoromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,1-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,1-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,3-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted



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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-1
Collected By : Tom Davis
Collection Date : 06/11/04 09:35

ESC Sample # : L158186-01

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Ethylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Hexachlorobutadiene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	06/17/04	1.08
Methylene Chloride	BDL	0.0056	mg/kg	8260B	06/17/04	1.08
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	06/17/04	1.08
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Naphthalene	BDL	0.0056	mg/kg	8260B	06/17/04	1.08
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Styrene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Toluene	BDL	0.0056	mg/kg	8260B	06/17/04	1.08
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Trichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Trichlorofluoromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,2,3-Trichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,2,4-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Vinyl chloride	BDL	0.0011	mg/kg	8260B	06/17/04	1.08
Xylenes, Total	BDL	0.0033	mg/kg	8260B	06/17/04	1.08
Surrogate Recovery						
Toluene-d8	96.		% Rec.	8260B	06/17/04	1.08
Dibromofluoromethane	98.		% Rec.	8260B	06/17/04	1.08
4-Bromofluorobenzene	92.		% Rec.	8260B	06/17/04	1.08

Cb

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-2-1 0-2 FT
Collected By : Tom Davis
Collection Date : 06/11/04 09:50

ESC Sample # : L158186-02

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	93.2		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.027	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.054	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.011	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.054	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0054	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0021	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-02

Sample ID : SB-2-1 0-2 FT

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 09:50

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0054	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0054	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0054	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0032	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	110		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	94.		% Rec.	8260B	06/16/04	1


Cheli Boucher, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-03

Sample ID : SB-2-2 2-4 FT

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 09:55

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	88.9		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.028	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.056	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.011	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.056	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0056	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0022	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-03

Sample ID : SB-2-2 2-4 FT

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 09:55

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0056	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0056	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0056	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0034	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	97.		% Rec.	8260B	06/16/04	1

Cb

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-3 0-1 FT
Collected By : Tom Davis
Collection Date : 06/11/04 10:10

ESC Sample # : L158186-04

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	99.2		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.025	mg/kg	8260B	06/17/04	1
Acrolein	BDL	0.050	mg/kg	8260B	06/17/04	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/17/04	1
Benzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/17/04	1
Bromomethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/17/04	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Chloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
2-Chloroethyl vinyl ether	BDL	0.050	mg/kg	8260B	06/17/04	1
Chloroform	BDL	0.0050	mg/kg	8260B	06/17/04	1
Chloromethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/17/04	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0020	mg/kg	8260B	06/17/04	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Dichlorodifluoromethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/17/04	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/17/04	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/17/04	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/17/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-3 0-1 FT
Collected By : Tom Davis
Collection Date : 06/11/04 10:10

ESC Sample # : L158186-04

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/17/04	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/17/04	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Hexachlorobutadiene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/17/04	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/17/04	1
Methylene Chloride	BDL	0.0050	mg/kg	8260B	06/17/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/17/04	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/17/04	1
Naphthalene	BDL	0.0050	mg/kg	8260B	06/17/04	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Styrene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Toluene	BDL	0.0050	mg/kg	8260B	06/17/04	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Trichloroethene	0.0034	0.0010	mg/kg	8260B	06/17/04	1
Trichlorofluoromethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2,3-Trichloropropane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/17/04	1
Xylenes, Total	BDL	0.0030	mg/kg	8260B	06/17/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/17/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/17/04	1
4-Bromofluorobenzene	100		% Rec.	8260B	06/17/04	1


Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-4-1 0-2 FT
Collected By : Tom Davis
Collection Date : 06/11/04 10:25

ESC Sample # : L158186-05

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	97.3		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.026	mg/kg	8260B	06/17/04	1
Acrolein	BDL	0.051	mg/kg	8260B	06/17/04	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/17/04	1
Benzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/17/04	1
Bromomethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/17/04	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Chloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
2-Chloroethyl vinyl ether	BDL	0.051	mg/kg	8260B	06/17/04	1
Chloroform	BDL	0.0051	mg/kg	8260B	06/17/04	1
Chloromethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/17/04	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0020	mg/kg	8260B	06/17/04	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Dichlorodifluoromethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/17/04	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/17/04	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/17/04	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/17/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-4-1 0-2 FT
Collected By : Tom Davis
Collection Date : 06/11/04 10:25

ESC Sample # : L158186-05

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/17/04	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/17/04	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Hexachlorobutadiene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/17/04	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/17/04	1
Methylene Chloride	BDL	0.0051	mg/kg	8260B	06/17/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/17/04	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/17/04	1
Naphthalene	BDL	0.0051	mg/kg	8260B	06/17/04	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Styrene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Toluene	BDL	0.0051	mg/kg	8260B	06/17/04	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Trichlorofluoromethane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2,3-Trichloropropane	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/17/04	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/17/04	1
Xylenes, Total	BDL	0.0031	mg/kg	8260B	06/17/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/17/04	1
Dibromofluoromethane	110		% Rec.	8260B	06/17/04	1
4-Bromofluorobenzene	100		% Rec.	8260B	06/17/04	1


Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-4-2 2-4 FT
Collected By : Tom Davis
Collection Date : 06/11/04 10:35

ESC Sample # : L158186-06

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	88.0		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.028	mg/kg	8260B	06/17/04	1
Acrolein	BDL	0.057	mg/kg	8260B	06/17/04	1
Acrylonitrile	BDL	0.011	mg/kg	8260B	06/17/04	1
Benzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromoform	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	06/17/04	1
Chlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Chloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
2-Chloroethyl vinyl ether	BDL	0.057	mg/kg	8260B	06/17/04	1
Chloroform	BDL	0.0057	mg/kg	8260B	06/17/04	1
Chloromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0023	mg/kg	8260B	06/17/04	1
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Dibromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Dichlorodifluoromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,3-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-4-2 2-4 FT
Collected By : Tom Davis
Collection Date : 06/11/04 10:35

ESC Sample # : L158186-06

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	06/17/04	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Hexachlorobutadiene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	06/17/04	1
Methylene Chloride	BDL	0.0057	mg/kg	8260B	06/17/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	06/17/04	1
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	06/17/04	1
Naphthalene	BDL	0.0057	mg/kg	8260B	06/17/04	1
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Styrene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Toluene	BDL	0.0057	mg/kg	8260B	06/17/04	1
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Trichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Trichlorofluoromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2,3-Trichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2,4-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Vinyl chloride	BDL	0.0011	mg/kg	8260B	06/17/04	1
Xylenes, Total	BDL	0.0034	mg/kg	8260B	06/17/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/17/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/17/04	1
4-Bromofluorobenzene	100		% Rec.	8260B	06/17/04	1

Cb
Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-07

Sample ID : SB-5 1-3 FT

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 10:45

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	91.3		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.027	mg/kg	8260B	06/17/04	1
Acrolein	BDL	0.055	mg/kg	8260B	06/17/04	1
Acrylonitrile	BDL	0.011	mg/kg	8260B	06/17/04	1
Benzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromoform	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	06/17/04	1
Chlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Chloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
2-Chloroethyl vinyl ether	BDL	0.055	mg/kg	8260B	06/17/04	1
Chloroform	BDL	0.0055	mg/kg	8260B	06/17/04	1
Chloromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0022	mg/kg	8260B	06/17/04	1
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Dibromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Dichlorodifluoromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,3-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-5 1-3 FT
Collected By : Tom Davis
Collection Date : 06/11/04 10:45

ESC Sample # : L158186-07

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	06/17/04	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Hexachlorobutadiene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	06/17/04	1
Methylene Chloride	BDL	0.0055	mg/kg	8260B	06/17/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	06/17/04	1
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	06/17/04	1
Naphthalene	BDL	0.0055	mg/kg	8260B	06/17/04	1
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Styrene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Toluene	BDL	0.0055	mg/kg	8260B	06/17/04	1
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Trichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Trichlorofluoromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2,3-Trichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2,4-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Vinyl chloride	BDL	0.0011	mg/kg	8260B	06/17/04	1
Xylenes, Total	BDL	0.0033	mg/kg	8260B	06/17/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/17/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/17/04	1
4-Bromofluorobenzene	100		% Rec.	8260B	06/17/04	1


Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-08

Sample ID : SB-6-1 1-2 FT

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 10:55

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.9		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.028	mg/kg	8260B	06/17/04	1
Acrolein	BDL	0.057	mg/kg	8260B	06/17/04	1
Acrylonitrile	BDL	0.011	mg/kg	8260B	06/17/04	1
Benzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromoform	BDL	0.0011	mg/kg	8260B	06/17/04	1
Bromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	06/17/04	1
Chlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Chloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
2-Chloroethyl vinyl ether	BDL	0.057	mg/kg	8260B	06/17/04	1
Chloroform	BDL	0.0057	mg/kg	8260B	06/17/04	1
Chloromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0023	mg/kg	8260B	06/17/04	1
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Dibromomethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Dichlorodifluoromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,3-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-6-1 1-2 FT
Collected By : Tom Davis
Collection Date : 06/11/04 10:55

ESC Sample # : L158186-08

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/17/04	1
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	06/17/04	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Hexachlorobutadiene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	06/17/04	1
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	06/17/04	1
Methylene Chloride	BDL	0.0057	mg/kg	8260B	06/17/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	06/17/04	1
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	06/17/04	1
Naphthalene	BDL	0.0057	mg/kg	8260B	06/17/04	1
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Styrene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Toluene	BDL	0.0057	mg/kg	8260B	06/17/04	1
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
Trichloroethene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Trichlorofluoromethane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2,3-Trichloropropane	BDL	0.0011	mg/kg	8260B	06/17/04	1
1,2,4-Trimethylbenzene	0.0011	0.0011	mg/kg	8260B	06/17/04	1
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/17/04	1
Vinyl chloride	BDL	0.0011	mg/kg	8260B	06/17/04	1
Xylenes, Total	BDL	0.0034	mg/kg	8260B	06/17/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/17/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/17/04	1
4-Bromofluorobenzene	100		% Rec.	8260B	06/17/04	1


Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-6-2 2-4 FT
Collected By : Tom Davis
Collection Date : 06/11/04 11:05

ESC Sample # : L158186-09

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	81.4		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.031	mg/kg	8260B	06/17/04	1
Acrolein	BDL	0.061	mg/kg	8260B	06/17/04	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	06/17/04	1
Benzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Bromoform	BDL	0.0012	mg/kg	8260B	06/17/04	1
Bromomethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	06/17/04	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Chloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
2-Chloroethyl vinyl ether	BDL	0.061	mg/kg	8260B	06/17/04	1
Chloroform	BDL	0.0061	mg/kg	8260B	06/17/04	1
Chloromethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/17/04	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0024	mg/kg	8260B	06/17/04	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Dichlorodifluoromethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/17/04	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/17/04	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/17/04	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/17/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-09

Sample ID : SB-6-2 2-4 FT

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 11:05

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/17/04	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	06/17/04	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Hexachlorobutadiene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	06/17/04	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	06/17/04	1
Methylene Chloride	BDL	0.0061	mg/kg	8260B	06/17/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	06/17/04	1
Methyl tert-butyl ether	0.0015	0.0012	mg/kg	8260B	06/17/04	1
Naphthalene	BDL	0.0061	mg/kg	8260B	06/17/04	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Styrene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Toluene	BDL	0.0061	mg/kg	8260B	06/17/04	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Trichlorofluoromethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2,3-Trichloropropane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	06/17/04	1
Xylenes, Total	BDL	0.0037	mg/kg	8260B	06/17/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/17/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/17/04	1
4-Bromofluorobenzene	100		% Rec.	8260B	06/17/04	1

Cb
Cheli Boucher, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-7-1 1-3 FT
Collected By : Tom Davis
Collection Date : 06/11/04 11:15

ESC Sample # : L158186-10

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	81.7		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.030	mg/kg	8260B	06/17/04	1
Acrolein	BDL	0.061	mg/kg	8260B	06/17/04	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	06/17/04	1
Benzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Bromoform	BDL	0.0012	mg/kg	8260B	06/17/04	1
Bromomethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	06/17/04	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Chloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
2-Chloroethyl vinyl ether	BDL	0.061	mg/kg	8260B	06/17/04	1
Chloroform	BDL	0.0061	mg/kg	8260B	06/17/04	1
Chloromethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/17/04	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0024	mg/kg	8260B	06/17/04	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Dichlorodifluoromethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/17/04	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/17/04	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/17/04	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/17/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - B87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-7-1 1-3 FT
Collected By : Tom Davis
Collection Date : 06/11/04 11:15

ESC Sample # : L158186-10

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/17/04	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	06/17/04	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Hexachlorobutadiene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	06/17/04	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	06/17/04	1
Methylene Chloride	BDL	0.0061	mg/kg	8260B	06/17/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	06/17/04	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	06/17/04	1
Naphthalene	BDL	0.0061	mg/kg	8260B	06/17/04	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Styrene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Toluene	BDL	0.0061	mg/kg	8260B	06/17/04	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Trichlorofluoromethane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2,3-Trichloropropane	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/17/04	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	06/17/04	1
Xylenes, Total	BDL	0.0037	mg/kg	8260B	06/17/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/17/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/17/04	1
4-Bromofluorobenzene	100		% Rec.	8260B	06/17/04	1

CB

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-7-2 3-5 FT
Collected By : Tom Davis
Collection Date : 06/11/04 11:25

ESC Sample # : L158186-11

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	89.6		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.028	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.056	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.011	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.056	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0056	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0022	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-11

Sample ID : SB-7-2 3-5 FT

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 11:25

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0056	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0056	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0056	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0033	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	93.		% Rec.	8260B	06/16/04	1

Cb
Cheli Boucher, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-8-1 0-2 FT
Collected By : Tom Davis
Collection Date : 06/11/04 11:35

ESC Sample # : L158186-12

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	98.0		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.026	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.051	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.051	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0051	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0020	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-12

Sample ID : SB-8-1 0-2 FT

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 11:35

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0051	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0051	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0051	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0031	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	99.		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	94.		% Rec.	8260B	06/16/04	1

Cb

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-13

Sample ID : SB-8-2 2-4 FT

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 11:45

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.5		%	2540G	06/18/04	1
Volatiles Organics						
Acetone	BDL	0.028	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.057	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.011	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.057	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0057	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0023	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-8-2 2-4 FT
Collected By : Tom Davis
Collection Date : 06/11/04 11:45

ESC Sample # : L158186-13

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0057	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0057	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0057	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0034	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	97.		% Rec.	8260B	06/16/04	1

CB

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-9-1 0-2 FT
Collected By : Tom Davis
Collection Date : 06/11/04 12:35

ESC Sample # : L158186-14

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	81.1		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.031	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.062	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.062	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0062	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0025	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	0.019	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	0.0023	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	0.036	0.0012	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	0.0083	0.0012	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-9-1 0-2 FT
Collected By : Tom Davis
Collection Date : 06/11/04 12:35

ESC Sample # : L158186-14

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0062	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0062	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Tetrachloroethene	0.0085	0.0012	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0062	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	0.033	0.0012	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	0.0021	0.0012	mg/kg	8260B	06/16/04	1
Trichloroethene	0.080	0.0012	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0037	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	92.		% Rec.	8260B	06/16/04	1

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-15

Sample ID : SB-9-2 2-4 FT

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 12:40

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.5		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.029	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.058	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0058	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0023	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	0.050	0.016	mg/kg	8260B	06/17/04	14
1,2-Dichloroethane	0.014	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	0.11	0.016	mg/kg	8260B	06/17/04	14
cis-1,2-Dichloroethene	0.042	0.0012	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-9-2 2-4 FT
Collected By : Tom Davis
Collection Date : 06/11/04 12:40

ESC Sample # : L158186-15

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0058	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Tetrachloroethene	0.016	0.0012	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0058	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	0.023	0.016	mg/kg	8260B	06/17/04	14
1,1,2-Trichloroethane	0.0096	0.0012	mg/kg	8260B	06/16/04	1
Trichloroethene	0.12	0.016	mg/kg	8260B	06/17/04	14
Trichlorofluoromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Vinyl chloride	0.0034	0.0012	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	95.		% Rec.	8260B	06/16/04	1

Cb

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-16

Sample ID : SB-10-1 0-2 FT

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 12:55

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	97.4		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.026	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.051	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.051	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0051	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0020	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-10-1 0-2 FT
Collected By : Tom Davis
Collection Date : 06/11/04 12:55

ESC Sample # : L158186-16

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0051	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0051	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0051	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0031	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	98.		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	92.		% Rec.	8260B	06/16/04	1

Cb

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-10-2 2-4 FT
Collected By : Tom Davis
Collection Date : 06/11/04 12:55

ESC Sample # : L158186-17

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	89.0		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.028	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.056	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.011	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.056	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0056	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0022	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-10-2 2-4 FT
Collected By : Tom Davis
Collection Date : 06/11/04 12:55

ESC Sample # : L158186-17

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0056	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0056	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0056	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0034	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	91.		% Rec.	8260B	06/16/04	1

Cb

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-11-1 0-2 FT
Collected By : Tom Davis
Collection Date : 06/11/04 12:55

ESC Sample # : L158186-18

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	97.0		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.026	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.052	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.052	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0052	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0021	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-11-1 0-2 FT
Collected By : Tom Davis
Collection Date : 06/11/04 12:55

ESC Sample # : L158186-18

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0052	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0052	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0052	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0031	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	110		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	94.		% Rec.	8260B	06/16/04	1

Cb

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-11-2 2-4 FT
Collected By : Tom Davis
Collection Date : 06/11/04 13:30

ESC Sample # : L158186-19

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	88.5		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.028	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.056	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.011	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0011	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.056	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0056	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0022	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	0.0016	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	0.0027	0.0011	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-11-2 2-4 FT
Collected By : Tom Davis
Collection Date : 06/11/04 13:30

ESC Sample # : L158186-19

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0011	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0056	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.011	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0011	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0056	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0056	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0011	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0011	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0034	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	90.		% Rec.	8260B	06/16/04	1

Cb

Cheli Boucher, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-20

Sample ID : SB-12-1

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 13:40

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.4		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.029	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.058	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0058	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0023	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-20

Sample ID : SB-12-1

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 13:40

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0058	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0058	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	98.		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	97.		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	83.		% Rec.	8260B	06/16/04	1


Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-12-2
Collected By : Tom Davis
Collection Date : 06/11/04 13:45

ESC Sample # : L158186-21

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.6		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.029	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.058	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0012	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.058	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0058	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0023	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-21

Sample ID : SB-12-2

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 13:45

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0058	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0058	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0058	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0035	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	110		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	96.		% Rec.	8260B	06/16/04	1


Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-22

Sample ID : SB-13

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 13:50

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	97.8		%	2540G	06/18/04	1
Volatile Organics						
Acetone	BDL	0.026	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.051	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.051	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0051	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0020	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-22

Sample ID : SB-13

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 13:50

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0051	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0051	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0051	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0031	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	110		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	92.		% Rec.	8260B	06/16/04	1

Cb

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-23

Sample ID : SB-14

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 14:00

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	97.4		%	2540G	06/18/04	1
Volatle Organics						
Acetone	BDL	0.026	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.051	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.051	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0051	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	0.0031	0.0010	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0020	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-23

Sample ID : SB-14

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 14:00

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0051	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0051	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0051	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0031	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	81.		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	150		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	68.		% Rec.	8260B	06/16/04	1

Cb

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer

ESC Sample # : L158186-24

Sample ID : SB-15

Site ID :

Collected By : Tom Davis
Collection Date : 06/11/04 14:15

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	96.1		%	2540G	06/18/04	1
Volatiles Organics						
Acetone	BDL	0.026	mg/kg	8260B	06/16/04	1
Acrolein	BDL	0.052	mg/kg	8260B	06/16/04	1
Acrylonitrile	BDL	0.010	mg/kg	8260B	06/16/04	1
Benzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromodichloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromoform	BDL	0.0010	mg/kg	8260B	06/16/04	1
Bromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
n-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
sec-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
tert-Butylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Carbon tetrachloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chlorodibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Chloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chloroethyl vinyl ether	BDL	0.052	mg/kg	8260B	06/16/04	1
Chloroform	BDL	0.0052	mg/kg	8260B	06/16/04	1
Chloromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
4-Chlorotoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	0.0021	mg/kg	8260B	06/16/04	1
1,2-Dibromoethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dibromomethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,4-Dichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Dichlorodifluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
trans-1,2-Dichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
cis-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

June 18, 2004

Date Received : June 12, 2004
Description : Nello Teer
Sample ID : SB-15
Collected By : Tom Davis
Collection Date : 06/11/04 14:15

ESC Sample # : L158186-24

Site ID :

Project # : 0013-94-012

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
trans-1,3-Dichloropropene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2,2-Dichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Di-isopropyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Ethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Hexachlorobutadiene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Isopropylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
p-Isopropyltoluene	BDL	0.0010	mg/kg	8260B	06/16/04	1
2-Butanone (MEK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methylene Chloride	BDL	0.0052	mg/kg	8260B	06/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	0.010	mg/kg	8260B	06/16/04	1
Methyl tert-butyl ether	BDL	0.0010	mg/kg	8260B	06/16/04	1
Naphthalene	BDL	0.0052	mg/kg	8260B	06/16/04	1
n-Propylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Styrene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2,2-Tetrachloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Tetrachloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Toluene	BDL	0.0052	mg/kg	8260B	06/16/04	1
1,2,3-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trichlorobenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,1-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,1,2-Trichloroethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichloroethene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Trichlorofluoromethane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,3-Trichloropropane	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,2,4-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
1,3,5-Trimethylbenzene	BDL	0.0010	mg/kg	8260B	06/16/04	1
Vinyl chloride	BDL	0.0010	mg/kg	8260B	06/16/04	1
Xylenes, Total	BDL	0.0031	mg/kg	8260B	06/16/04	1
Surrogate Recovery						
Toluene-d8	100		% Rec.	8260B	06/16/04	1
Dibromofluoromethane	100		% Rec.	8260B	06/16/04	1
4-Bromofluorobenzene	99.		% Rec.	8260B	06/16/04	1

Cb

Cheli Boucher, ESC Representative

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L158186-01	Acrolein	J3
L158186-02	Acetone	J4
	Acrolein	J4
	Chloroethane	J4
L158186-03	Acetone	J4
	Acrolein	J4
	Chloroethane	J4
L158186-04	Acetone	J4
	Acrolein	J4
	Chloroethane	J4
L158186-05	Acetone	J4
	Acrolein	J4
	Chloroethane	J4
L158186-06	Acetone	J4
	Acrolein	J4
	Chloroethane	J4
L158186-07	Acetone	J4
	Acrolein	J4
	Chloroethane	J4
L158186-08	Acetone	J4
	Acrolein	J4
	Chloroethane	J4
L158186-09	Acetone	J4
	Acrolein	J4
	Chloroethane	J4
L158186-10	Acetone	J4
	Acrolein	J4
	Chloroethane	J4
L158186-14	Trichloroethene	E
L158186-21	Acetone	J4
	Acrolein	J4J3
L158186-22	Acetone	J4
	Acrolein	J4J3
L158186-23	Acetone	J4
	Acrolein	J4J3
	Toluene-d8	J2
	Dibromofluoromethane	J1
L158186-24	Acetone	J4
	Acrolein	J4J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

Control Limits

2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	79-126	83-119
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	81-114	82-116
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	65-129	72-126

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.



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Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

**Quality Assurance Report
Level II**

L158186

June 18, 2004

Analyte	Result	Laboratory Blank		Date Analyzed	Batch
		Units			
1,1,1,2-Tetrachloroethane	< .001	mg/kg		06/16/04 09:53	WG160032
1,1,1-Trichloroethane	< .001	mg/kg		06/16/04 09:53	WG160032
1,1,2,2-Tetrachloroethane	< .001	mg/kg		06/16/04 09:53	WG160032
1,1,2-Trichloroethane	< .001	mg/kg		06/16/04 09:53	WG160032
1,1-Dichloroethane	< .001	mg/kg		06/16/04 09:53	WG160032
1,1-Dichloroethene	< .001	mg/kg		06/16/04 09:53	WG160032
1,1-Dichloropropene	< .001	mg/kg		06/16/04 09:53	WG160032
1,2,3-Trichlorobenzene	< .001	mg/kg		06/16/04 09:53	WG160032
1,2,3-Trichloropropane	< .001	mg/kg		06/16/04 09:53	WG160032
1,2,4-Trichlorobenzene	< .001	mg/kg		06/16/04 09:53	WG160032
1,2,4-Trimethylbenzene	< .001	mg/kg		06/16/04 09:53	WG160032
1,2-Dibromo-3-Chloropropane	< .001	mg/kg		06/16/04 09:53	WG160032
1,2-Dibromoethane	< .001	mg/kg		06/16/04 09:53	WG160032
1,2-Dichlorobenzene	< .001	mg/kg		06/16/04 09:53	WG160032
1,2-Dichloroethane	< .001	mg/kg		06/16/04 09:53	WG160032
1,2-Dichloropropene	< .001	mg/kg		06/16/04 09:53	WG160032
1,3,5-Trimethylbenzene	< .001	mg/kg		06/16/04 09:53	WG160032
1,3-Dichlorobenzene	< .001	mg/kg		06/16/04 09:53	WG160032
1,3-Dichloropropene	< .001	mg/kg		06/16/04 09:53	WG160032
1,4-Dichlorobenzene	< .001	mg/kg		06/16/04 09:53	WG160032
2,2-Dichloropropane	< .001	mg/kg		06/16/04 09:53	WG160032
2-Butanone (MEK)	< .001	mg/kg		06/16/04 09:53	WG160032
2-Chloroethyl vinyl ether	< .001	mg/kg		06/16/04 09:53	WG160032
2-Chlorotoluene	< .001	mg/kg		06/16/04 09:53	WG160032
4-Chlorotoluene	< .001	mg/kg		06/16/04 09:53	WG160032
4-Methyl-2-pentanone (MIBK)	< .001	mg/kg		06/16/04 09:53	WG160032
Acetone	< .001	mg/kg		06/16/04 09:53	WG160032
Acrolein	< .001	mg/kg		06/16/04 09:53	WG160032
Acrylonitrile	< .001	mg/kg		06/16/04 09:53	WG160032
Benzene	< .001	mg/kg		06/16/04 09:53	WG160032
Bromobenzene	< .001	mg/kg		06/16/04 09:53	WG160032
Bromodichloromethane	< .001	mg/kg		06/16/04 09:53	WG160032
Bromoform	< .001	mg/kg		06/16/04 09:53	WG160032
Bromomethane	< .001	mg/kg		06/16/04 09:53	WG160032
Carbon tetrachloride	< .001	mg/kg		06/16/04 09:53	WG160032
Chlorobenzene	< .001	mg/kg		06/16/04 09:53	WG160032
Chlorodibromomethane	< .001	mg/kg		06/16/04 09:53	WG160032
Chloroethane	< .001	mg/kg		06/16/04 09:53	WG160032
Chloroform	< .001	mg/kg		06/16/04 09:53	WG160032
Chloromethane	< .001	mg/kg		06/16/04 09:53	WG160032
cis-1,2-Dichloroethene	< .001	mg/kg		06/16/04 09:53	WG160032
cis-1,3-Dichloropropene	< .001	mg/kg		06/16/04 09:53	WG160032
Di-isopropyl ether	< .001	mg/kg		06/16/04 09:53	WG160032
Dibromomethane	< .001	mg/kg		06/16/04 09:53	WG160032
Dichlorodifluoromethane	< .001	mg/kg		06/16/04 09:53	WG160032
Ethylbenzene	< .001	mg/kg		06/16/04 09:53	WG160032
Hexachlorobutadiene	< .001	mg/kg		06/16/04 09:53	WG160032
Isopropylbenzene	< .001	mg/kg		06/16/04 09:53	WG160032
Methyl tert-butyl ether	< .001	mg/kg		06/16/04 09:53	WG160032
Methylene Chloride	< .001	mg/kg		06/16/04 09:53	WG160032
n-Butylbenzene	< .001	mg/kg		06/16/04 09:53	WG160032
n-Propylbenzene	< .001	mg/kg		06/16/04 09:53	WG160032
Napthalene	< .001	mg/kg		06/16/04 09:53	WG160032
p-Isopropyltoluene	< .001	mg/kg		06/16/04 09:53	WG160032
sec-Butylbenzene	< .001	mg/kg		06/16/04 09:53	WG160032
Styrene	< .001	mg/kg		06/16/04 09:53	WG160032
tert-Butylbenzene	< .001	mg/kg		06/16/04 09:53	WG160032
Tetrachloroethene	< .001	mg/kg		06/16/04 09:53	WG160032
Toluene	< .001	mg/kg		06/16/04 09:53	WG160032
trans-1,2-Dichloroethene	< .001	mg/kg		06/16/04 09:53	WG160032



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Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report
Level II

L158186

June 18, 2004

trans-1,3-Dichloropropene < .001 mg/kg 06/16/04 09:53 WG160032

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Trichloroethene	< .001	mg/kg	06/16/04 09:53	WG160032
Trichlorofluoromethane	< .001	mg/kg	06/16/04 09:53	WG160032
Vinyl chloride	< .001	mg/kg	06/16/04 09:53	WG160032
Xylenes, Total	< .003	mg/kg	06/16/04 09:53	WG160032
1,1,1,2-Tetrachloroethane	< .001	mg/kg	06/16/04 20:18	WG160049
1,1,1-Trichloroethane	< .001	mg/kg	06/16/04 20:18	WG160049
1,1,2,2-Tetrachloroethane	< .001	mg/kg	06/16/04 20:18	WG160049
1,1,2-Trichloroethane	< .001	mg/kg	06/16/04 20:18	WG160049
1,1-Dichloroethane	< .001	mg/kg	06/16/04 20:18	WG160049
1,1-Dichloropropene	< .001	mg/kg	06/16/04 20:18	WG160049
1,2,3-Trichlorobenzene	< .001	mg/kg	06/16/04 20:18	WG160049
1,2,3-Trichloropropane	< .001	mg/kg	06/16/04 20:18	WG160049
1,2,4-Trichlorobenzene	< .001	mg/kg	06/16/04 20:18	WG160049
1,2,4-Trimethylbenzene	< .001	mg/kg	06/16/04 20:18	WG160049
1,2-Dibromo-3-Chloropropane	< .001	mg/kg	06/16/04 20:18	WG160049
1,2-Dibromoethane	< .001	mg/kg	06/16/04 20:18	WG160049
1,2-Dichlorobenzene	< .001	mg/kg	06/16/04 20:18	WG160049
1,2-Dichloroethane	< .001	mg/kg	06/16/04 20:18	WG160049
1,2-Dichloropropane	< .001	mg/kg	06/16/04 20:18	WG160049
1,2,3-Trimethylbenzene	< .001	mg/kg	06/16/04 20:18	WG160049
1,3-Dichlorobenzene	< .001	mg/kg	06/16/04 20:18	WG160049
1,3-Dichloropropane	< .001	mg/kg	06/16/04 20:18	WG160049
1,4-Dichlorobenzene	< .001	mg/kg	06/16/04 20:18	WG160049
2,2-Dichloropropane	< .001	mg/kg	06/16/04 20:18	WG160049
2-Butanone (MEK)	< .001	mg/kg	06/16/04 20:18	WG160049
2-Chloroethyl vinyl ether	< .001	mg/kg	06/16/04 20:18	WG160049
2-Chlorotoluene	< .001	mg/kg	06/16/04 20:18	WG160049
4-Chlorotoluene	< .001	mg/kg	06/16/04 20:18	WG160049
4-Methyl-2-pentanone (MIBK)	< .001	mg/kg	06/16/04 20:18	WG160049
Acetone	< .001	mg/kg	06/16/04 20:18	WG160049
Acrolein	< .001	mg/kg	06/16/04 20:18	WG160049
Acrylonitrile	< .001	mg/kg	06/16/04 20:18	WG160049
Benzene	< .001	mg/kg	06/16/04 20:18	WG160049
Bromobenzene	< .001	mg/kg	06/16/04 20:18	WG160049
Bromodichloromethane	< .001	mg/kg	06/16/04 20:18	WG160049
Bromoform	< .001	mg/kg	06/16/04 20:18	WG160049
Bromomethane	< .001	mg/kg	06/16/04 20:18	WG160049
Carbon tetrachloride	< .001	mg/kg	06/16/04 20:18	WG160049
Chlorobenzene	< .001	mg/kg	06/16/04 20:18	WG160049
Chlorodibromomethane	< .001	mg/kg	06/16/04 20:18	WG160049
Chloroethane	< .001	mg/kg	06/16/04 20:18	WG160049
Chloroform	< .001	mg/kg	06/16/04 20:18	WG160049
Chloromethane	< .001	mg/kg	06/16/04 20:18	WG160049
cis-1,2-Dichloroethene	< .001	mg/kg	06/16/04 20:18	WG160049
cis-1,3-Dichloropropene	< .001	mg/kg	06/16/04 20:18	WG160049
Di-isopropyl ether	< .001	mg/kg	06/16/04 20:18	WG160049
Dibromomethane	< .001	mg/kg	06/16/04 20:18	WG160049
Dichlorodifluoromethane	< .001	mg/kg	06/16/04 20:18	WG160049
Ethylbenzene	< .001	mg/kg	06/16/04 20:18	WG160049
Hexachlorobutadiene	< .001	mg/kg	06/16/04 20:18	WG160049
Isopropylbenzene	< .001	mg/kg	06/16/04 20:18	WG160049
Methyl tert-butyl ether	< .001	mg/kg	06/16/04 20:18	WG160049
Methylene Chloride	< .001	mg/kg	06/16/04 20:18	WG160049
n-Butylbenzene	< .001	mg/kg	06/16/04 20:18	WG160049
n-Butylbenzene	< .001	mg/kg	06/16/04 20:18	WG160049
Naphthalene	< .001	mg/kg	06/16/04 20:18	WG160049
p-Isopropyltoluene	< .001	mg/kg	06/16/04 20:18	WG160049



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

Analyte	Result	Units	Date Analyzed	Batch
sec-Butylbenzene	< .001	mg/kg	06/16/04 20:18	WG160049
Laboratory Blank				
Styrene	< .001	mg/kg	06/16/04 20:18	WG160049
tert-Butylbenzene	< .001	mg/kg	06/16/04 20:18	WG160049
Tetrachloroethene	< .001	mg/kg	06/16/04 20:18	WG160049
Toluene	< .001	mg/kg	06/16/04 20:18	WG160049
trans-1,2-Dichloroethene	< .001	mg/kg	06/16/04 20:18	WG160049
trans-1,3-Dichloropropene	< .001	mg/kg	06/16/04 20:18	WG160049
Trichloroethene	< .001	mg/kg	06/16/04 20:18	WG160049
Trichlorofluoromethane	< .001	mg/kg	06/16/04 20:18	WG160049
Vinyl chloride	< .001	mg/kg	06/16/04 20:18	WG160049
Xylenes, Total	< .003	mg/kg	06/16/04 20:18	WG160049
1,1,1,2-Tetrachloroethane	< .001	mg/l	06/17/04 01:37	WG160061
1,1,1,2-Tetrachloroethane	< .001	mg/kg	06/17/04 01:37	WG160061
1,1,1-Trichloroethane	< .001	mg/l	06/17/04 01:37	WG160061
1,1,1-Trichloroethane	< .001	mg/kg	06/17/04 01:37	WG160061
1,1,2,2-Tetrachloroethane	< .001	mg/l	06/17/04 01:37	WG160061
1,1,2,2-Tetrachloroethane	< .001	mg/kg	06/17/04 01:37	WG160061
1,1,2-Trichloroethane	< .001	mg/l	06/17/04 01:37	WG160061
1,1,2-Trichloroethane	< .001	mg/kg	06/17/04 01:37	WG160061
1,1-Dichloroethane	< .001	mg/l	06/17/04 01:37	WG160061
1,1-Dichloroethane	< .001	mg/kg	06/17/04 01:37	WG160061
1,1-Dichloroethane	< .001	mg/l	06/17/04 01:37	WG160061
1,1-Dichloroethane	< .001	mg/kg	06/17/04 01:37	WG160061
1,1-Dichloropropene	< .001	mg/l	06/17/04 01:37	WG160061
1,1-Dichloropropene	< .001	mg/kg	06/17/04 01:37	WG160061
1,2,3-Trichlorobenzene	< .001	mg/l	06/17/04 01:37	WG160061
1,2,3-Trichlorobenzene	< .001	mg/kg	06/17/04 01:37	WG160061
1,2,3-Trichloropropane	< .001	mg/l	06/17/04 01:37	WG160061
1,2,3-Trichloropropane	< .001	mg/kg	06/17/04 01:37	WG160061
1,2,4-Trichlorobenzene	< .001	mg/l	06/17/04 01:37	WG160061
1,2,4-Trichlorobenzene	< .001	mg/kg	06/17/04 01:37	WG160061
1,2,4-Trimethylbenzene	< .001	mg/l	06/17/04 01:37	WG160061
1,2,4-Trimethylbenzene	< .001	mg/kg	06/17/04 01:37	WG160061
1,2-Dibromo-3-Chloropropane	< .002	mg/l	06/17/04 01:37	WG160061
1,2-Dibromo-3-Chloropropane	< .001	mg/kg	06/17/04 01:37	WG160061
1,2-Dibromoethane	< .001	mg/l	06/17/04 01:37	WG160061
1,2-Dibromoethane	< .001	mg/kg	06/17/04 01:37	WG160061
1,2-Dichlorobenzene	< .001	mg/l	06/17/04 01:37	WG160061
1,2-Dichlorobenzene	< .001	mg/kg	06/17/04 01:37	WG160061
1,2-Dichlorobenzene	< .001	mg/l	06/17/04 01:37	WG160061
1,2-Dichlorobenzene	< .001	mg/kg	06/17/04 01:37	WG160061
1,2-Dichloroethane	< .001	mg/l	06/17/04 01:37	WG160061
1,2-Dichloroethane	< .001	mg/kg	06/17/04 01:37	WG160061
1,2-Dichloropropane	< .001	mg/l	06/17/04 01:37	WG160061
1,2-Dichloropropane	< .001	mg/kg	06/17/04 01:37	WG160061
1,3,5-Trimethylbenzene	< .001	mg/l	06/17/04 01:37	WG160061
1,3,5-Trimethylbenzene	< .001	mg/kg	06/17/04 01:37	WG160061
1,3-Dichlorobenzene	< .001	mg/l	06/17/04 01:37	WG160061
1,3-Dichlorobenzene	< .001	mg/kg	06/17/04 01:37	WG160061
1,3-Dichloropropane	< .001	mg/l	06/17/04 01:37	WG160061
1,3-Dichloropropane	< .001	mg/kg	06/17/04 01:37	WG160061
1,4-Dichlorobenzene	< .001	mg/l	06/17/04 01:37	WG160061
1,4-Dichlorobenzene	< .001	mg/kg	06/17/04 01:37	WG160061
2,2-Dichloropropane	< .001	mg/l	06/17/04 01:37	WG160061
2,2-Dichloropropane	< .001	mg/kg	06/17/04 01:37	WG160061
2-Butanone (MEK)	< .01	mg/l	06/17/04 01:37	WG160061
2-Butanone (MEK)	< .001	mg/kg	06/17/04 01:37	WG160061
2-Chloroethyl vinyl ether	< .001	mg/l	06/17/04 01:37	WG160061
2-Chloroethyl vinyl ether	< .001	mg/kg	06/17/04 01:37	WG160061
2-Chlorotoluene	< .001	mg/l	06/17/04 01:37	WG160061
2-Chlorotoluene	< .001	mg/kg	06/17/04 01:37	WG160061



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

4-Chlorotoluene < .001 mg/l 06/17/04 01:37 WG160061

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
4-Chlorotoluene	< .001	mg/kg	06/17/04 01:37	WG160061
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	06/17/04 01:37	WG160061
4-Methyl-2-pentanone (MIBK)	< .001	mg/kg	06/17/04 01:37	WG160061
Acetone	< .025	mg/l	06/17/04 01:37	WG160061
Acetone	0.00746	mg/kg	06/17/04 01:37	WG160061
Acrolein	< .001	mg/l	06/17/04 01:37	WG160061
Acrolein	< .001	mg/kg	06/17/04 01:37	WG160061
Acrylonitrile	< .01	mg/l	06/17/04 01:37	WG160061
Acrylonitrile	< .001	mg/kg	06/17/04 01:37	WG160061
Benzene	< .001	mg/l	06/17/04 01:37	WG160061
Benzene	< .001	mg/kg	06/17/04 01:37	WG160061
Bromobenzene	< .001	mg/l	06/17/04 01:37	WG160061
Bromobenzene	< .001	mg/kg	06/17/04 01:37	WG160061
Bromodichloromethane	< .001	mg/l	06/17/04 01:37	WG160061
Bromodichloromethane	< .001	mg/kg	06/17/04 01:37	WG160061
Bromoform	< .001	mg/l	06/17/04 01:37	WG160061
Bromoform	< .001	mg/kg	06/17/04 01:37	WG160061
Bromomethane	< .001	mg/l	06/17/04 01:37	WG160061
Bromomethane	< .001	mg/kg	06/17/04 01:37	WG160061
Carbon tetrachloride	< .001	mg/l	06/17/04 01:37	WG160061
Carbon tetrachloride	< .001	mg/kg	06/17/04 01:37	WG160061
Chlorobenzene	< .001	mg/l	06/17/04 01:37	WG160061
Chlorobenzene	< .001	mg/kg	06/17/04 01:37	WG160061
Chlorodibromomethane	< .001	mg/l	06/17/04 01:37	WG160061
Chlorodibromomethane	< .001	mg/kg	06/17/04 01:37	WG160061
Chloroethane	< .001	mg/l	06/17/04 01:37	WG160061
Chloroethane	< .001	mg/kg	06/17/04 01:37	WG160061
Chloroform	< .005	mg/l	06/17/04 01:37	WG160061
Chloroform	< .001	mg/kg	06/17/04 01:37	WG160061
Chloromethane	< .001	mg/l	06/17/04 01:37	WG160061
Chloromethane	< .001	mg/kg	06/17/04 01:37	WG160061
cis-1,2-Dichloroethene	< .001	mg/l	06/17/04 01:37	WG160061
cis-1,2-Dichloroethene	< .001	mg/kg	06/17/04 01:37	WG160061
cis-1,3-Dichloropropene	< .001	mg/l	06/17/04 01:37	WG160061
cis-1,3-Dichloropropene	< .001	mg/kg	06/17/04 01:37	WG160061
Di-isopropyl ether	< .001	mg/l	06/17/04 01:37	WG160061
Di-isopropyl ether	< .001	mg/kg	06/17/04 01:37	WG160061
Dibromomethane	< .001	mg/l	06/17/04 01:37	WG160061
Dibromomethane	< .001	mg/kg	06/17/04 01:37	WG160061
Dichlorodifluoromethane	< .001	mg/l	06/17/04 01:37	WG160061
Dichlorodifluoromethane	< .001	mg/kg	06/17/04 01:37	WG160061
Ethylbenzene	< .001	mg/l	06/17/04 01:37	WG160061
Ethylbenzene	< .001	mg/kg	06/17/04 01:37	WG160061
Hexachlorobutadiene	< .001	mg/l	06/17/04 01:37	WG160061
Hexachlorobutadiene	< .001	mg/kg	06/17/04 01:37	WG160061
Isopropylbenzene	< .001	mg/l	06/17/04 01:37	WG160061
Isopropylbenzene	< .001	mg/kg	06/17/04 01:37	WG160061
Methyl tert-butyl ether	< .001	mg/l	06/17/04 01:37	WG160061
Methyl tert-butyl ether	< .001	mg/kg	06/17/04 01:37	WG160061
Methylene Chloride	< .005	mg/l	06/17/04 01:37	WG160061
Methylene Chloride	< .001	mg/kg	06/17/04 01:37	WG160061
n-Butylbenzene	< .001	mg/l	06/17/04 01:37	WG160061
n-Butylbenzene	< .001	mg/kg	06/17/04 01:37	WG160061
n-Propylbenzene	< .001	mg/l	06/17/04 01:37	WG160061
n-Propylbenzene	< .001	mg/kg	06/17/04 01:37	WG160061
Naphthalene	< .005	mg/l	06/17/04 01:37	WG160061
Naphthalene	< .001	mg/kg	06/17/04 01:37	WG160061
p-Isopropyltoluene	< .001	mg/l	06/17/04 01:37	WG160061
p-Isopropyltoluene	< .001	mg/kg	06/17/04 01:37	WG160061



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Quality Assurance Report
Level II

L158186

June 18, 2004

sec-Butylbenzene < .001 mg/l 06/17/04 01:37 WG160061

Analyte	Result	Units	Date Analyzed	Batch
sec-Butylbenzene	< .001	mg/kg	06/17/04 01:37	WG160061
Styrene	< .001	mg/l	06/17/04 01:37	WG160061
Styrene	< .001	mg/kg	06/17/04 01:37	WG160061
tert-Butylbenzene	< .001	mg/l	06/17/04 01:37	WG160061
tert-Butylbenzene	< .001	mg/kg	06/17/04 01:37	WG160061
Tetrachloroethene	< .001	mg/l	06/17/04 01:37	WG160061
Tetrachloroethene	< .001	mg/kg	06/17/04 01:37	WG160061
Toluene	< .005	mg/l	06/17/04 01:37	WG160061
Toluene	< .001	mg/kg	06/17/04 01:37	WG160061
trans-1,2-Dichloroethene	< .001	mg/l	06/17/04 01:37	WG160061
trans-1,2-Dichloroethene	< .001	mg/kg	06/17/04 01:37	WG160061
trans-1,3-Dichloropropene	< .001	mg/l	06/17/04 01:37	WG160061
trans-1,3-Dichloropropene	< .001	mg/kg	06/17/04 01:37	WG160061
Trichloroethene	< .001	mg/l	06/17/04 01:37	WG160061
Trichloroethene	< .001	mg/kg	06/17/04 01:37	WG160061
Trichlorofluoromethane	< .001	mg/l	06/17/04 01:37	WG160061
Trichlorofluoromethane	< .001	mg/kg	06/17/04 01:37	WG160061
Vinyl chloride	< .001	mg/l	06/17/04 01:37	WG160061
Vinyl chloride	< .001	mg/kg	06/17/04 01:37	WG160061
Xylenes, Total	< .003	mg/l	06/17/04 01:37	WG160061
Xylenes, Total	< .003	mg/kg	06/17/04 01:37	WG160061
1,1,1,2-Tetrachloroethane	< .001	mg/kg	06/16/04 14:08	WG160081
1,1,1-Trichloroethane	< .001	mg/kg	06/16/04 14:08	WG160081
1,1,2,2-Tetrachloroethane	< .001	mg/kg	06/16/04 14:08	WG160081
1,1,2-Trichloroethane	< .001	mg/kg	06/16/04 14:08	WG160081
1,1-Dichloroethane	< .001	mg/kg	06/16/04 14:08	WG160081
1,1-Dichloroethene	< .001	mg/kg	06/16/04 14:08	WG160081
1,1-Dichloropropene	< .001	mg/kg	06/16/04 14:08	WG160081
1,2,3-Trichlorobenzene	< .001	mg/kg	06/16/04 14:08	WG160081
1,2,3-Trichloropropane	< .001	mg/kg	06/16/04 14:08	WG160081
1,2,4-Trichlorobenzene	< .001	mg/kg	06/16/04 14:08	WG160081
1,2,4-Trimethylbenzene	< .001	mg/kg	06/16/04 14:08	WG160081
1,2-Dibromo-3-Chloropropane	< .001	mg/kg	06/16/04 14:08	WG160081
1,2-Dibromoethane	< .001	mg/kg	06/16/04 14:08	WG160081
1,2-Dichlorobenzene	< .001	mg/kg	06/16/04 14:08	WG160081
1,2-Dichloroethane	< .001	mg/kg	06/16/04 14:08	WG160081
1,2-Dichloropropane	< .001	mg/kg	06/16/04 14:08	WG160081
1,3,5-Trimethylbenzene	< .001	mg/kg	06/16/04 14:08	WG160081
1,3-Dichlorobenzene	< .001	mg/kg	06/16/04 14:08	WG160081
1,3-Dichloropropane	< .001	mg/kg	06/16/04 14:08	WG160081
1,4-Dichlorobenzene	< .001	mg/kg	06/16/04 14:08	WG160081
2,2-Dichloropropane	< .001	mg/kg	06/16/04 14:08	WG160081
2-Butanone (MEK)	< .001	mg/kg	06/16/04 14:08	WG160081
2-Chloroethyl vinyl ether	< .001	mg/kg	06/16/04 14:08	WG160081
2-Chlorotoluene	< .001	mg/kg	06/16/04 14:08	WG160081
4-Chlorotoluene	< .001	mg/kg	06/16/04 14:08	WG160081
4-Methyl-2-pentanone (MIBK)	< .001	mg/kg	06/16/04 14:08	WG160081
Acetone	< .001	mg/kg	06/16/04 14:08	WG160081
Acrolein	< .001	mg/kg	06/16/04 14:08	WG160081
Acrylonitrile	< .001	mg/kg	06/16/04 14:08	WG160081
Benzene	< .001	mg/kg	06/16/04 14:08	WG160081
Bromobenzene	< .001	mg/kg	06/16/04 14:08	WG160081
Bromodichloromethane	< .001	mg/kg	06/16/04 14:08	WG160081
Bromoform	< .001	mg/kg	06/16/04 14:08	WG160081
Bromomethane	< .001	mg/kg	06/16/04 14:08	WG160081
Carbon tetrachloride	< .001	mg/kg	06/16/04 14:08	WG160081
Chlorobenzene	< .001	mg/kg	06/16/04 14:08	WG160081
Chlorodibromomethane	< .001	mg/kg	06/16/04 14:08	WG160081



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

Chloroethane < .001 mg/kg 06/16/04 14:08 WG160081

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Chloroform	< .001	mg/kg	06/16/04 14:08	WG160081
Chloromethane	< .001	mg/kg	06/16/04 14:08	WG160081
cis-1,2-Dichloroethene	< .001	mg/kg	06/16/04 14:08	WG160081
cis-1,3-Dichloropropene	< .001	mg/kg	06/16/04 14:08	WG160081
Di-isopropyl ether	< .001	mg/kg	06/16/04 14:08	WG160081
Dibromomethane	< .001	mg/kg	06/16/04 14:08	WG160081
Dichlorodifluoromethane	< .001	mg/kg	06/16/04 14:08	WG160081
Ethylbenzene	< .001	mg/kg	06/16/04 14:08	WG160081
Hexachlorobutadiene	< .001	mg/kg	06/16/04 14:08	WG160081
Isopropylbenzene	< .001	mg/kg	06/16/04 14:08	WG160081
Methyl tert-butyl ether	< .001	mg/kg	06/16/04 14:08	WG160081
Methylene Chloride	< .001	mg/kg	06/16/04 14:08	WG160081
n-Butylbenzene	< .001	mg/kg	06/16/04 14:08	WG160081
n-Propylbenzene	< .001	mg/kg	06/16/04 14:08	WG160081
Naphthalene	< .001	mg/kg	06/16/04 14:08	WG160081
p-Isopropyltoluene	< .001	mg/kg	06/16/04 14:08	WG160081
sec-Butylbenzene	< .001	mg/kg	06/16/04 14:08	WG160081
Styrene	< .001	mg/kg	06/16/04 14:08	WG160081
tert-Butylbenzene	< .001	mg/kg	06/16/04 14:08	WG160081
Tetrachloroethene	< .001	mg/kg	06/16/04 14:08	WG160081
Toluene	< .001	mg/kg	06/16/04 14:08	WG160081
trans-1,2-Dichloroethene	< .001	mg/kg	06/16/04 14:08	WG160081
trans-1,3-Dichloropropene	< .001	mg/kg	06/16/04 14:08	WG160081
Trichloroethene	< .001	mg/kg	06/16/04 14:08	WG160081
Trichlorofluoromethane	< .001	mg/kg	06/16/04 14:08	WG160081
Vinyl chloride	< .001	mg/kg	06/16/04 14:08	WG160081
Xylenes, Total	< .003	mg/kg	06/16/04 14:08	WG160081
Total Solids	0.00	%	06/18/04 09:17	WG160142

Total Solids 0.00 % 06/18/04 10:27 WG160143

1,1,1-Trichloroethane	< .001	mg/kg	06/17/04 08:37	WG160179
1,1-Dichloroethane	< .001	mg/kg	06/17/04 08:37	WG160179
1,1-Dichloroethene	< .001	mg/kg	06/17/04 08:37	WG160179
Trichloroethene	< .001	mg/kg	06/17/04 08:37	WG160179

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	78.1	77.7	0.547	20	L158170-03	WG160142
Total Solids	%	83.5	82.0	1.83	20	L158182-07	WG160142
Total Solids	%	87.0	88.0	1.19	20	L158186-06	WG160143
Total Solids	%	97.3	97.4	0.141	20	L158186-16	WG160143

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.0191	95.6	77-129	WG160032
1,1,1-Trichloroethane	mg/kg	.02	0.0178	89.0	57-158	WG160032
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.0177	88.6	68-121	WG160032
1,1,2-Trichloroethane	mg/kg	.02	0.0189	94.6	66-127	WG160032
1,1-Dichloroethane	mg/kg	.02	0.0188	94.0	71-152	WG160032
1,1-Dichloroethene	mg/kg	.02	0.0178	88.8	80-158	WG160032
1,1-Dichloropropene	mg/kg	.02	0.0197	98.6	62-165	WG160032
1,2-Trichlorobenzene	mg/kg	.02	0.0199	99.4	72-129	WG160032
1,2,4-Trichloropropane	mg/kg	.02	0.0174	87.2	73-125	WG160032
1,2,4-Trichlorobenzene	mg/kg	.02	0.0204	102	65-137	WG160032



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
1,2,4-Trimethylbenzene	mg/kg	.02	0.0180	89.8	74-127	WG160032
1,2-Dibromo-3-chloropropane	mg/kg	.02	0.0183	91.5	60-133	WG160032
1,2-Dibromoethane	mg/kg	.02	0.0182	91.0	65-133	WG160032
1,2-Dichlorobenzene	mg/kg	.02	0.0184	91.9	72-128	WG160032
1,2-Dichloroethane	mg/kg	.02	0.0213	107	64-146	WG160032
1,2-Dichloropropane	mg/kg	.02	0.0187	93.3	77-128	WG160032
1,3,5-Trimethylbenzene	mg/kg	.02	0.0169	84.7	72-125	WG160032
1,3-Dichlorobenzene	mg/kg	.02	0.0172	86.0	68-128	WG160032
1,3-Dichloropropane	mg/kg	.02	0.0190	95.1	75-127	WG160032
1,4-Dichlorobenzene	mg/kg	.02	0.0177	88.3	67-140	WG160032
2,2-Dichloropropane	mg/kg	.02	0.0188	93.9	63-156	WG160032
2-Butanone (MEK)	mg/kg	.1	0.0942	94.2	50-137	WG160032
2-Chloroethyl vinyl ether	mg/kg	.1	0.0259	25.9	16-142	WG160032
2-Chlorotoluene	mg/kg	.02	0.0173	86.4	64-131	WG160032
4-Chlorotoluene	mg/kg	.02	0.0175	87.7	68-128	WG160032
4-Methyl-2-pentanone (MIBK)	mg/kg	.1	0.0913	91.3	60-143	WG160032
Acetone	mg/kg	.1	0.117	117	18-143	WG160032
Acrolein	mg/kg	.1	0.0296	29.6	20-137	WG160032
Acrylonitrile	mg/kg	.1	0.0806	80.6	60-142	WG160032
Benzene	mg/kg	.02	0.0180	90.1	76-140	WG160032
Bromobenzene	mg/kg	.02	0.0177	88.5	73-124	WG160032
Bromodichloromethane	mg/kg	.02	0.0198	99.0	61-136	WG160032
Bromoform	mg/kg	.02	0.0174	87.0	73-124	WG160032
Bromomethane	mg/kg	.02	0.0157	78.6	26-164	WG160032
Carbon tetrachloride	mg/kg	.02	0.0189	94.6	52-154	WG160032
Chlorobenzene	mg/kg	.02	0.0174	87.0	65-131	WG160032
Chlorodibromomethane	mg/kg	.02	0.0174	87.1	70-114	WG160032
Chloroethane	mg/kg	.02	0.0194	97.1	44-160	WG160032
Chloroform	mg/kg	.02	0.0177	88.6	70-139	WG160032
Chloromethane	mg/kg	.02	0.0169	84.3	28-142	WG160032
cis-1,2-Dichloroethene	mg/kg	.02	0.0190	95.2	74-141	WG160032
cis-1,3-Dichloropropene	mg/kg	.02	0.0200	99.8	81-150	WG160032
Di-isopropyl ether	mg/kg	.02	0.0190	94.8	74-147	WG160032
Dibromomethane	mg/kg	.02	0.0182	90.8	77-121	WG160032
Dichlorodifluoromethane	mg/kg	.02	0.0170	84.8	17-134	WG160032
Ethylbenzene	mg/kg	.02	0.0176	87.9	63-133	WG160032
Hexachlorobutadiene	mg/kg	.02	0.0175	87.7	53-148	WG160032
Isopropylbenzene	mg/kg	.02	0.0173	86.3	63-120	WG160032
Methyl tert-butyl ether	mg/kg	.02	0.0190	95.0	64-142	WG160032
Methylene Chloride	mg/kg	.02	0.0179	89.5	70-141	WG160032
n-Butylbenzene	mg/kg	.02	0.0189	94.6	58-161	WG160032
n-Propylbenzene	mg/kg	.02	0.0172	85.9	73-128	WG160032
Naphthalene	mg/kg	.02	0.0185	92.5	40-132	WG160032
p-Isopropyltoluene	mg/kg	.02	0.0178	89.1	69-130	WG160032
sec-Butylbenzene	mg/kg	.02	0.0177	88.4	64-124	WG160032
Styrene	mg/kg	.02	0.0163	81.3	64-128	WG160032
tert-Butylbenzene	mg/kg	.02	0.0177	88.3	65-127	WG160032
Tetrachloroethene	mg/kg	.02	0.0167	83.3	58-137	WG160032
Toluene	mg/kg	.02	0.0170	85.0	75-125	WG160032
trans-1,2-Dichloroethene	mg/kg	.02	0.0187	93.5	79-152	WG160032
trans-1,3-Dichloropropene	mg/kg	.02	0.0177	88.5	65-150	WG160032
Trichloroethene	mg/kg	.02	0.0184	92.2	75-145	WG160032
Trichlorofluoromethane	mg/kg	.02	0.0169	84.6	30-130	WG160032
Vinyl chloride	mg/kg	.02	0.0176	88.2	39-127	WG160032
Xylenes, Total	mg/kg	.06	0.0519	86.6	64-129	WG160032
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.0207	103	77-129	WG160049
1,1,2-Trichloroethane	mg/kg	.02	0.0174	86.9	57-158	WG160049
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.0206	103	68-121	WG160049
1,1,2-Trichloroethane	mg/kg	.02	0.0206	103	66-127	WG160049



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

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1,1-Dichloroethane	mg/kg	.02	0.0173	86.5	71-152	WG160049
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Analyte	Units	Laboratory Known Val	Control Sample Result	% Rec	Limit	Batch
1,1-Dichloroethane	mg/kg	.02	0.0182	91.0	80-158	WG160049
1,1-Dichloropropene	mg/kg	.02	0.0179	89.3	62-165	WG160049
1,2,3-Trichlorobenzene	mg/kg	.02	0.0211	106.	72-129	WG160049
1,2,3-Trichloropropane	mg/kg	.02	0.0202	101.	73-125	WG160049
1,2,4-Trichlorobenzene	mg/kg	.02	0.0204	102.	65-137	WG160049
1,2,4-Trimethylbenzene	mg/kg	.02	0.0192	96.2	74-127	WG160049
1,2-Dibromo-3-chloropropane	mg/kg	.02	0.0182	90.9	60-133	WG160049
1,2-Dibromoethane	mg/kg	.02	0.0198	98.9	65-133	WG160049
1,2-Dichlorobenzene	mg/kg	.02	0.0188	93.8	72-128	WG160049
1,2-Dichloroethane	mg/kg	.02	0.0195	97.7	64-146	WG160049
1,2-Dichloropropane	mg/kg	.02	0.0192	95.9	77-128	WG160049
1,3,5-Trimethylbenzene	mg/kg	.02	0.0186	93.2	72-125	WG160049
1,3-Dichlorobenzene	mg/kg	.02	0.0191	95.3	68-128	WG160049
1,3-Dichloropropane	mg/kg	.02	0.0198	99.0	75-127	WG160049
1,4-Dichlorobenzene	mg/kg	.02	0.0182	90.8	67-140	WG160049
2,2-Dichloropropane	mg/kg	.02	0.0179	89.6	63-156	WG160049
2-Butanone (MEK)	mg/kg	.1	0.0735	73.5	50-137	WG160049
2-Chloroethyl vinyl ether	mg/kg	.1	0.0993	99.3	16-142	WG160049
2-Chlorotoluene	mg/kg	.02	0.0189	94.7	64-131	WG160049
4-Chlorotoluene	mg/kg	.02	0.0189	94.5	68-128	WG160049
4-Tert-butyl-2-pentanone (MIBK)	mg/kg	.1	0.0969	96.9	60-143	WG160049
Acetaldehyde	mg/kg	.1	0.146	146.	18-143	WG160049
Acrolein	mg/kg	.1	0.127	127.	20-137	WG160049
Acrylonitrile	mg/kg	.1	0.0790	79.0	60-142	WG160049
Benzene	mg/kg	.02	0.0175	87.6	76-140	WG160049
Bromobenzene	mg/kg	.02	0.0201	101.	73-124	WG160049
Bromodichloromethane	mg/kg	.02	0.0208	104.	61-136	WG160049
Bromoform	mg/kg	.02	0.0191	95.7	73-124	WG160049
Bromomethane	mg/kg	.02	0.00966	48.3	26-164	WG160049
Carbon tetrachloride	mg/kg	.02	0.0176	88.1	52-154	WG160049
Chlorobenzene	mg/kg	.02	0.0186	92.9	65-131	WG160049
Chlorodibromomethane	mg/kg	.02	0.0187	93.5	70-114	WG160049
Chloroethane	mg/kg	.02	0.0531	266.	44-160	WG160049
Chloroform	mg/kg	.02	0.0187	93.4	70-139	WG160049
Chloromethane	mg/kg	.02	0.0144	72.0	28-142	WG160049
cis-1,2-Dichloroethene	mg/kg	.02	0.0189	94.7	74-141	WG160049
cis-1,3-Dichloropropene	mg/kg	.02	0.0200	100.	81-150	WG160049
Di-isopropyl ether	mg/kg	.02	0.0177	88.4	74-147	WG160049
Dibromomethane	mg/kg	.02	0.0185	92.5	77-121	WG160049
Dichlorodifluoromethane	mg/kg	.02	0.0130	65.2	17-134	WG160049
Ethylbenzene	mg/kg	.02	0.0182	91.0	63-133	WG160049
Hexachlorobutadiene	mg/kg	.02	0.0187	93.7	53-148	WG160049
Isopropylbenzene	mg/kg	.02	0.0185	92.7	63-120	WG160049
Methyl tert-butyl ether	mg/kg	.02	0.0187	93.6	64-142	WG160049
Methylene Chloride	mg/kg	.02	0.0180	89.9	70-141	WG160049
n-Butylbenzene	mg/kg	.02	0.0177	88.7	58-161	WG160049
n-Propylbenzene	mg/kg	.02	0.0184	92.2	73-128	WG160049
Naphthalene	mg/kg	.02	0.0204	102.	40-132	WG160049
p-Isopropyltoluene	mg/kg	.02	0.0190	94.8	69-130	WG160049
sec-Butylbenzene	mg/kg	.02	0.0193	96.3	64-124	WG160049
Styrene	mg/kg	.02	0.0185	92.6	64-128	WG160049
tert-Butylbenzene	mg/kg	.02	0.0191	95.6	65-127	WG160049
Tetrachloroethene	mg/kg	.02	0.0171	85.7	58-137	WG160049
Toluene	mg/kg	.02	0.0179	89.4	75-125	WG160049
trans-1,2-Dichloroethene	mg/kg	.02	0.0182	91.0	79-152	WG160049
trans-1,3-Dichloropropene	mg/kg	.02	0.0177	88.4	65-150	WG160049
Tri-chloroethene	mg/kg	.02	0.0184	91.8	75-145	WG160049
Trifluoromethane	mg/kg	.02	0.0152	76.2	30-130	WG160049
Vinyl chloride	mg/kg	.02	0.0148	74.2	39-127	WG160049



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Quality Assurance Report
Level II

L158186

June 18, 2004

Xylenes, Total mg/kg .06 0.0553 92.2 64-129 WG160049

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.0215	107.	77-129	WG160061
1,1,1-Trichloroethane	mg/kg	.02	0.0204	102.	57-158	WG160061
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.0210	105.	68-121	WG160061
1,1,2-Trichloroethane	mg/kg	.02	0.0217	109.	66-127	WG160061
1,1-Dichloroethane	mg/kg	.02	0.0222	111.	71-152	WG160061
1,1-Dichloroethene	mg/kg	.02	0.0237	119.	80-158	WG160061
1,1-Dichloropropane	mg/kg	.02	0.0236	118.	62-165	WG160061
1,2,3-Trichlorobenzene	mg/kg	.02	0.0190	94.8	72-129	WG160061
1,2,3-Trichloropropane	mg/kg	.02	0.0206	103.	73-125	WG160061
1,2,4-Trichlorobenzene	mg/kg	.02	0.0172	85.9	65-137	WG160061
1,2,4-Trimethylbenzene	mg/kg	.02	0.0188	93.9	74-127	WG160061
1,2-Dibromo-3-Chloropropane	mg/kg	.02	0.0185	92.4	60-133	WG160061
1,2-Dibromoethane	mg/kg	.02	0.0222	111.	65-133	WG160061
1,2-Dichlorobenzene	mg/kg	.02	0.0190	94.9	72-128	WG160061
1,2-Dichloroethane	mg/kg	.02	0.0230	115.	64-146	WG160061
1,2-Dichloropropane	mg/kg	.02	0.0226	113.	77-128	WG160061
1,3,5-Trimethylbenzene	mg/kg	.02	0.0192	95.9	72-125	WG160061
1,3-Dichlorobenzene	mg/kg	.02	0.0179	89.7	68-128	WG160061
1,3-Dichloropropane	mg/kg	.02	0.0217	109.	75-127	WG160061
1,4-Dichlorobenzene	mg/kg	.02	0.0187	93.5	67-140	WG160061
2,2-Dichloropropane	mg/kg	.02	0.0209	105.	63-156	WG160061
2-Butanone (MEK)	mg/kg	.1	0.113	113.	50-137	WG160061
2-Chloroethyl vinyl ether	mg/kg	.1	0.0861	86.1	16-142	WG160061
2-Chlorotoluene	mg/kg	.02	0.0195	97.6	64-131	WG160061
4-Chlorotoluene	mg/kg	.02	0.0188	94.2	68-128	WG160061
4-Methyl-2-pentanone (MIBK)	mg/kg	.1	0.105	105.	60-143	WG160061
Acetone	mg/kg	.1	0.0990	99.0	18-143	WG160061
Acrolein	mg/kg	.1	0.0474	47.4	20-137	WG160061
Acrylonitrile	mg/kg	.1	0.0975	97.5	60-142	WG160061
Benzene	mg/kg	.02	0.0218	109.	76-140	WG160061
Bromobenzene	mg/kg	.02	0.0208	104.	73-124	WG160061
Bromodichloromethane	mg/kg	.02	0.0227	114.	61-136	WG160061
Bromoform	mg/kg	.02	0.0221	111.	73-124	WG160061
Bromomethane	mg/kg	.02	0.0207	103.	26-164	WG160061
Carbon tetrachloride	mg/kg	.02	0.0214	107.	52-154	WG160061
Chlorobenzene	mg/kg	.02	0.0201	101.	65-131	WG160061
Chlorodibromomethane	mg/kg	.02	0.0201	101.	70-114	WG160061
Chloroethane	mg/kg	.02	0.0227	114.	44-160	WG160061
Chloroform	mg/kg	.02	0.0208	104.	70-139	WG160061
Chloromethane	mg/kg	.02	0.0219	110.	28-142	WG160061
cis-1,2-Dichloroethene	mg/kg	.02	0.0232	116.	74-141	WG160061
cis-1,3-Dichloropropane	mg/kg	.02	0.0229	115.	81-150	WG160061
Di-isopropyl ether	mg/kg	.02	0.0227	114.	74-147	WG160061
Dibromomethane	mg/kg	.02	0.0219	109.	77-121	WG160061
Dichlorodifluoromethane	mg/kg	.02	0.0231	116.	17-134	WG160061
Ethylbenzene	mg/kg	.02	0.0199	99.5	63-133	WG160061
Hexachlorobutadiene	mg/kg	.02	0.0167	83.5	53-148	WG160061
Isopropylbenzene	mg/kg	.02	0.0194	97.0	63-120	WG160061
Methyl tert-butyl ether	mg/kg	.02	0.0229	115.	64-142	WG160061
Methylene Chloride	mg/kg	.02	0.0214	107.	70-141	WG160061
n-Butylbenzene	mg/kg	.02	0.0172	86.2	58-161	WG160061
n-Propylbenzene	mg/kg	.02	0.0190	95.2	73-128	WG160061
Naphthalene	mg/kg	.02	0.0211	105.	40-132	WG160061
p-Isopropyltoluene	mg/kg	.02	0.0186	93.2	69-130	WG160061
sec-Butylbenzene	mg/kg	.02	0.0191	95.5	64-124	WG160061
Styrene	mg/kg	.02	0.0196	98.2	64-128	WG160061
tert-Butylbenzene	mg/kg	.02	0.0193	96.3	65-127	WG160061
Tetrachloroethene	mg/kg	.02	0.0198	98.8	58-137	WG160061
Toluene	mg/kg	.02	0.0207	104.	75-125	WG160061



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

trans-1,2-Dichloroethene mg/kg .02 0.0240 120. 79-152 WG160061

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
trans-1,3-Dichloropropene	mg/kg	.02	0.0199	99.3	65-150	WG160061
Trichloroethene	mg/kg	.02	0.0228	114.	75-145	WG160061
Trichlorofluoromethane	mg/kg	.02	0.0194	96.8	30-130	WG160061
Vinyl chloride	mg/kg	.02	0.0226	113	39-127	WG160061
Xylenes, Total	mg/kg	.06	0.0595	99.2	64-129	WG160061
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.0208	104	77-129	WG160081
1,1,1-Trichloroethane	mg/kg	.02	0.0201	100.	57-158	WG160081
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.0195	97.6	68-121	WG160081
1,1,2-Trichloroethane	mg/kg	.02	0.0196	98.1	66-127	WG160081
1,1-Dichloroethane	mg/kg	.02	0.0203	101.	71-152	WG160081
1,1-Dichloroethene	mg/kg	.02	0.0188	94.2	80-158	WG160081
1,1-Dichloropropene	mg/kg	.02	0.0178	89.1	62-165	WG160081
1,2,3-Trichlorobenzene	mg/kg	.02	0.0169	84.3	72-129	WG160081
1,2,3-Trichloropropane	mg/kg	.02	0.0185	92.3	73-125	WG160081
1,2,4-Trichlorobenzene	mg/kg	.02	0.0170	85.2	65-137	WG160081
1,2,4-Trimethylbenzene	mg/kg	.02	0.0180	89.9	74-127	WG160081
1,2-Dibromo-3-Chloropropane	mg/kg	.02	0.0168	84.1	60-133	WG160081
1,2-Dibromoethane	mg/kg	.02	0.0177	88.4	65-133	WG160081
1,2-Dichlorobenzene	mg/kg	.02	0.0192	95.8	72-128	WG160081
1,2-Dichloroethane	mg/kg	.02	0.0220	110.	64-146	WG160081
1,2-Dichloropropane	mg/kg	.02	0.0198	99.1	77-128	WG160081
1,3,5-Trimethylbenzene	mg/kg	.02	0.0179	89.7	72-125	WG160081
1,3-Dichlorobenzene	mg/kg	.02	0.0195	97.6	68-128	WG160081
1,3-Dichloropropane	mg/kg	.02	0.0183	91.3	75-127	WG160081
1,4-Dichlorobenzene	mg/kg	.02	0.0196	98.2	67-140	WG160081
2,2-Dichloropropane	mg/kg	.02	0.0206	103.	63-156	WG160081
2-Butanone (MEK)	mg/kg	.1	0.0909	90.9	50-137	WG160081
2-Chloroethyl vinyl ether	mg/kg	.1	0.0447	44.7	16-142	WG160081
2-Chlorotoluene	mg/kg	.02	0.0175	87.7	64-131	WG160081
4-Chlorotoluene	mg/kg	.02	0.0187	93.3	68-128	WG160081
4-Methyl-2-pentanone (MIBK)	mg/kg	.1	0.0835	83.5	60-143	WG160081
Acetone	mg/kg	.1	0.156	156.	18-143	WG160081
Acrolein	mg/kg	.1	0.0176	17.6	20-137	WG160081
Acrylonitrile	mg/kg	.1	0.0814	81.4	60-142	WG160081
Benzene	mg/kg	.02	0.0190	95.1	76-140	WG160081
Bromobenzene	mg/kg	.02	0.0179	89.6	73-124	WG160081
Bromodichloromethane	mg/kg	.02	0.0214	107.	61-136	WG160081
Bromoform	mg/kg	.02	0.0176	88.1	73-124	WG160081
Bromomethane	mg/kg	.02	0.0152	76.0	26-164	WG160081
Carbon tetrachloride	mg/kg	.02	0.0214	107.	52-154	WG160081
Chlorobenzene	mg/kg	.02	0.0171	85.3	65-131	WG160081
Chlorodibromomethane	mg/kg	.02	0.0191	95.5	70-114	WG160081
Chloroethane	mg/kg	.02	0.0181	90.7	44-160	WG160081
Chloroform	mg/kg	.02	0.0228	114.	70-139	WG160081
Chloromethane	mg/kg	.02	0.0172	86.2	28-142	WG160081
cis-1,2-Dichloroethene	mg/kg	.02	0.0207	103.	74-141	WG160081
cis-1,3-Dichloropropene	mg/kg	.02	0.0179	89.5	81-150	WG160081
Diisopropyl ether	mg/kg	.02	0.0170	84.9	74-147	WG160081
Dibromomethane	mg/kg	.02	0.0196	97.8	77-121	WG160081
Dichlorodifluoromethane	mg/kg	.02	0.0142	71.1	17-134	WG160081
Ethylbenzene	mg/kg	.02	0.0172	85.8	63-133	WG160081
Hexachlorobutadiene	mg/kg	.02	0.0194	96.9	53-148	WG160081
Isopropylbenzene	mg/kg	.02	0.0168	83.9	63-120	WG160081
Methyl tert-butyl ether	mg/kg	.02	0.0166	83.2	64-142	WG160081
Methylene Chloride	mg/kg	.02	0.0193	96.5	70-141	WG160081
n-Propylbenzene	mg/kg	.02	0.0196	98.1	58-161	WG160081
o-Propylbenzene	mg/kg	.02	0.0180	90.0	73-128	WG160081
Naphthalene	mg/kg	.02	0.0125	62.7	40-132	WG160081



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Raleigh, NC 27607

**Quality Assurance Report
Level II**

L158186

June 18, 2004

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
p-Isopropyltoluene	mg/kg	.02	0.0179	89.7	69-130	WG160081
sec-Butylbenzene	mg/kg	.02	0.0185	92.7	64-124	WG160081
Styrene	mg/kg	.02	0.0180	89.8	64-128	WG160081
tert-Butylbenzene	mg/kg	.02	0.0167	83.3	65-127	WG160081
Tetrachloroethene	mg/kg	.02	0.0175	87.7	58-137	WG160081
Toluene	mg/kg	.02	0.0182	91.0	75-125	WG160081
trans-1,2-Dichloroethene	mg/kg	.02	0.0203	102.	79-152	WG160081
trans-1,3-Dichloropropene	mg/kg	.02	0.0159	79.7	65-150	WG160081
Trichloroethene	mg/kg	.02	0.0185	92.5	75-145	WG160081
Trichlorofluoromethane	mg/kg	.02	0.0172	86.1	30-130	WG160081
Vinyl chloride	mg/kg	.02	0.0150	75.1	39-127	WG160081
Xylenes, Total	mg/kg	.06	0.0527	87.9	64-129	WG160081

Total Solids	%	50	50.0	100	85-115	WG160142
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Total Solids	%	50	49.7	99.5	85-115	WG160143
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Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
1,1,1-Trichloroethane	mg/kg	.02	0.0182	91.0	57-158	WG160179
1,1-Dichloroethane	mg/kg	.02	0.0200	99.8	71-152	WG160179
1,1-Dichloroethene	mg/kg	.02	0.0224	112.	80-158	WG160179
Trichloroethene	mg/kg	.02	0.0197	98.3	75-145	WG160179

Analyte	Units	Laboratory Control Known Val	Sample Result	Sample Duplicate Res	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/kg	0.0205	0.0191	7.02	22		R199142-2	WG160032
1,1,1-Trichloroethane	mg/kg	0.0193	0.0178	7.98	23		R199142-2	WG160032
1,1,2,2-Tetrachloroethane	mg/kg	0.0195	0.0177	9.83	23		R199142-2	WG160032
1,1,2-Trichloroethane	mg/kg	0.0202	0.0189	6.45	14		R199142-2	WG160032
1,1-Dichloroethane	mg/kg	0.0203	0.0188	7.72	21		R199142-2	WG160032
1,1-Dichloroethene	mg/kg	0.0200	0.0178	12.1	20		R199142-2	WG160032
1,1-Dichloropropene	mg/kg	0.0218	0.0197	10.1	20		R199142-2	WG160032
1,2,3-Trichlorobenzene	mg/kg	0.0224	0.0199	11.9	25		R199142-2	WG160032
1,2,3-Trichloropropane	mg/kg	0.0192	0.0174	9.66	23		R199142-2	WG160032
1,2,4-Trichlorobenzene	mg/kg	0.0224	0.0204	9.02	22		R199142-2	WG160032
1,2,4-Trimethylbenzene	mg/kg	0.0197	0.0180	9.35	22		R199142-2	WG160032
1,2-Dibromo-3-Chloropropane	mg/kg	0.0217	0.0183	17.2	24		R199142-2	WG160032
1,2-Dibromoethane	mg/kg	0.0198	0.0182	8.52	22		R199142-2	WG160032
1,2-Dichlorobenzene	mg/kg	0.0198	0.0184	7.34	22		R199142-2	WG160032
1,2-Dichloroethane	mg/kg	0.0225	0.0213	5.61	23		R199142-2	WG160032
1,2-Dichloropropane	mg/kg	0.0202	0.0187	7.68	22		R199142-2	WG160032
1,3,5-Trimethylbenzene	mg/kg	0.0188	0.0169	10.7	20		R199142-2	WG160032
1,3-Dichlorobenzene	mg/kg	0.0189	0.0172	9.48	22		R199142-2	WG160032
1,3-Dichloropropane	mg/kg	0.0202	0.0190	5.87	23		R199142-2	WG160032
1,4-Dichlorobenzene	mg/kg	0.0191	0.0177	7.83	20		R199142-2	WG160032
2,2-Dichloropropane	mg/kg	0.0212	0.0188	12.0	17		R199142-2	WG160032
2-Butanone (MEK)	mg/kg	0.111	0.0942	15.9	28		R199142-2	WG160032
2-Chloroethyl vinyl ether	mg/kg	0.0281	0.0259	8.22	25		R199142-2	WG160032
2-Chlorotoluene	mg/kg	0.0190	0.0173	9.33	28		R199142-2	WG160032
4-Chlorotoluene	mg/kg	0.0193	0.0175	9.61	17		R199142-2	WG160032
4-Methyl-2-pentanone (MIBK)	mg/kg	0.106	0.0913	14.7	29		R199142-2	WG160032
Acetone	mg/kg	0.139	0.117	17.3	23		R199142-2	WG160032
Acrolein	mg/kg	0.0314	0.0296	5.64	20		R199142-2	WG160032
Acrylonitrile	mg/kg	0.0917	0.0806	12.9	19		R199142-2	WG160032
Benzene	mg/kg	0.0194	0.0180	7.38	20		R199142-2	WG160032
Bromobenzene	mg/kg	0.0194	0.0177	9.07	30		R199142-2	WG160032
Bromodichloromethane	mg/kg	0.0213	0.0198	7.30	22		R199142-2	WG160032
Bromobrom	mg/kg	0.0195	0.0174	11.4	17		R199142-2	WG160032
Bromochloroethane	mg/kg	0.0171	0.0157	8.41	17		R199142-2	WG160032
Carbon tetrachloride	mg/kg	0.0204	0.0189	7.58	23		R199142-2	WG160032



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

Analyte	Units	LCSD	Res	Ref	Res	RPD	Limit	Ref Samp	Batch
Chlorobenzene	mg/kg	0.0192	0.0174	9.74	25			R199142-2	WG160032
Chlorodibromomethane	mg/kg	0.0189	0.0174	8.20	17			R199142-2	WG160032
Chloroethane	mg/kg	0.0214	0.0194	9.56	20			R199142-2	WG160032
Chloroform	mg/kg	0.0193	0.0177	8.75	22			R199142-2	WG160032
Chloromethane	mg/kg	0.0193	0.0169	13.3	20			R199142-2	WG160032
cis-1,2-Dichloroethene	mg/kg	0.0198	0.0190	4.12	22			R199142-2	WG160032
cis-1,3-Dichloropropene	mg/kg	0.0216	0.0200	7.80	28			R199142-2	WG160032
Di-isopropyl ether	mg/kg	0.0205	0.0190	8.00	23			R199142-2	WG160032
Dibromomethane	mg/kg	0.0196	0.0182	7.63	29			R199142-2	WG160032
Dichlorodifluoromethane	mg/kg	0.0189	0.0170	10.9	21			R199142-2	WG160032
Ethylbenzene	mg/kg	0.0192	0.0176	8.97	22			R199142-2	WG160032
Hexachlorobutadiene	mg/kg	0.0198	0.0175	12.3	24			R199142-2	WG160032
Isopropylbenzene	mg/kg	0.0190	0.0173	9.49	20			R199142-2	WG160032
Methyl tert butyl ether	mg/kg	0.0204	0.0190	6.96	24			R199142-2	WG160032
Methylene Chloride	mg/kg	0.0191	0.0179	6.75	11			R199142-2	WG160032
n-Butylbenzene	mg/kg	0.0209	0.0189	9.85	22			R199142-2	WG160032
n-Propylbenzene	mg/kg	0.0191	0.0172	10.4	24			R199142-2	WG160032
Naphthalene	mg/kg	0.0218	0.0185	16.2	26			R199142-2	WG160032
p-Isopropyltoluene	mg/kg	0.0196	0.0178	9.72	23			R199142-2	WG160032
sec-Butylbenzene	mg/kg	0.0196	0.0177	10.4	24			R199142-2	WG160032
Styrene	mg/kg	0.0176	0.0163	7.81	26			R199142-2	WG160032
tert-Butylbenzene	mg/kg	0.0192	0.0177	8.41	25			R199142-2	WG160032
Tetra-chloroethene	mg/kg	0.0182	0.0167	8.94	24			R199142-2	WG160032
Toluene	mg/kg	0.0186	0.0170	8.77	17			R199142-2	WG160032
trans-1,2-Dichloroethene	mg/kg	0.0206	0.0187	9.57	20			R199142-2	WG160032
trans-1,3-Dichloropropene	mg/kg	0.0196	0.0177	10.0	25			R199142-2	WG160032
Trichloroethene	mg/kg	0.0199	0.0184	7.57	22			R199142-2	WG160032
Trichlorofluoromethane	mg/kg	0.0186	0.0169	9.57	20			R199142-2	WG160032
Vinyl chloride	mg/kg	0.0198	0.0176	11.8	16			R199142-2	WG160032
Xylenes, Total	mg/kg	0.0573	0.0519	9.88	20			R199142-2	WG160032
1,1,1,2-Tetrachloroethane	mg/kg	0.0212	0.0207	2.63	22			R199112-3	WG160049
1,1,1-Trichloroethane	mg/kg	0.0179	0.0174	3.01	23			R199112-3	WG160049
1,1,2,2-Tetrachloroethane	mg/kg	0.0208	0.0206	1.30	23			R199112-3	WG160049
1,1,2-Trichloroethane	mg/kg	0.0209	0.0206	1.40	14			R199112-3	WG160049
1,1-Dichloroethane	mg/kg	0.0178	0.0173	2.85	21			R199112-3	WG160049
1,1-Dichloroethene	mg/kg	0.0188	0.0182	3.19	20			R199112-3	WG160049
1,1-Dichloropropene	mg/kg	0.0185	0.0179	3.52	20			R199112-3	WG160049
1,2,3-Trichlorobenzene	mg/kg	0.0212	0.0211	0.426	25			R199112-3	WG160049
1,2,3-Trichloropropane	mg/kg	0.0203	0.0202	0.691	23			R199112-3	WG160049
1,2,4-Trichlorobenzene	mg/kg	0.0203	0.0204	0.688	22			R199112-3	WG160049
1,2,4-Trimethylbenzene	mg/kg	0.0194	0.0192	0.880	22			R199112-3	WG160049
1,2-Dibromo-3-Chloropropane	mg/kg	0.0192	0.0182	5.56	24			R199112-3	WG160049
1,2-Dibromoethane	mg/kg	0.0202	0.0198	2.05	22			R199112-3	WG160049
1,2-Dichlorobenzene	mg/kg	0.0190	0.0188	1.06	22			R199112-3	WG160049
1,2-Dichloroethane	mg/kg	0.0199	0.0195	1.83	23			R199112-3	WG160049
1,2-Dichloropropane	mg/kg	0.0199	0.0192	3.53	22			R199112-3	WG160049
1,3,5-Trimethylbenzene	mg/kg	0.0188	0.0186	1.12	20			R199112-3	WG160049
1,3-Dichlorobenzene	mg/kg	0.0191	0.0191	0.314	22			R199112-3	WG160049
1,3-Dichloropropane	mg/kg	0.0199	0.0198	0.403	23			R199112-3	WG160049
1,4-Dichlorobenzene	mg/kg	0.0181	0.0182	0.442	20			R199112-3	WG160049
2,2-Dichloropropane	mg/kg	0.0184	0.0179	2.86	17			R199112-3	WG160049
2-Butanone (MEK)	mg/kg	0.0725	0.0735	1.29	28			R199112-3	WG160049
2-Chloroethyl vinyl ether	mg/kg	0.106	0.0993	6.12	25			R199112-3	WG160049
2-Chlorotoluene	mg/kg	0.0190	0.0189	0.579	28			R199112-3	WG160049
4-Chlorotoluene	mg/kg	0.0190	0.0189	0.633	17			R199112-3	WG160049
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0984	0.0969	1.60	29			R199112-3	WG160049
Acetone	mg/kg	0.151	0.146	3.23	23			R199112-3	WG160049
Acrylonitrile	mg/kg	0.141	0.127	10.3	20			R199112-3	WG160049
	mg/kg	0.0806	0.0790	1.97	19			R199112-3	WG160049



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
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(615) 758-5858
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Tax I.D. 62-0814289

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

**Quality Assurance Report
Level II**

L158186

June 18, 2004

Est. 1970

Benzene	mg/kg	0.0180	0.0175	2.65	20	R199112-3	WG160049
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Analyte	Units	Laboratory Control		Sample Duplicate		Limit	Ref Samp	Batch
		LCSD Res	Ref Res	Res	RPD			
Bromobenzene	mg/kg	0.0202	0.0201	0.496	30		R199112-3	WG160049
Bromodichloromethane	mg/kg	0.0211	0.0208	1.24	22		R199112-3	WG160049
Bromoform	mg/kg	0.0195	0.0191	1.76	17		R199112-3	WG160049
Bromomethane	mg/kg	0.0097	0.0096	0.413	17		R199112-3	WG160049
Carbon tetrachloride	mg/kg	0.0184	0.0176	4.12	23		R199112-3	WG160049
Chlorobenzene	mg/kg	0.0189	0.0186	1.50	25		R199112-3	WG160049
Chlorodibromomethane	mg/kg	0.0194	0.0187	3.47	17		R199112-3	WG160049
Chloroethane	mg/kg	0.0487	0.0531	8.58	20		R199112-3	WG160049
Chloroform	mg/kg	0.0191	0.0187	1.96	22		R199112-3	WG160049
Chloromethane	mg/kg	0.0149	0.0144	3.61	20		R199112-3	WG160049
cis-1,2-Dichloroethene	mg/kg	0.0195	0.0189	2.66	22		R199112-3	WG160049
cis-1,3-Dichloropropene	mg/kg	0.0206	0.0200	2.61	28		R199112-3	WG160049
Di-isopropyl ether	mg/kg	0.0181	0.0177	2.46	23		R199112-3	WG160049
Dibromomethane	mg/kg	0.0190	0.0185	2.83	29		R199112-3	WG160049
Dichlorodifluoromethane	mg/kg	0.0135	0.0130	3.84	21		R199112-3	WG160049
Ethylbenzene	mg/kg	0.0187	0.0182	2.87	22		R199112-3	WG160049
Hexachlorobutadiene	mg/kg	0.0189	0.0187	0.585	24		R199112-3	WG160049
Isopropylbenzene	mg/kg	0.0191	0.0185	3.03	20		R199112-3	WG160049
Methyl tert-butyl ether	mg/kg	0.0192	0.0187	2.27	24		R199112-3	WG160049
Methylene Chloride	mg/kg	0.0186	0.0180	3.44	11		R199112-3	WG160049
n-Propylbenzene	mg/kg	0.0179	0.0177	0.842	22		R199112-3	WG160049
n-Butylbenzene	mg/kg	0.0186	0.0184	1.03	24		R199112-3	WG160049
Napthalene	mg/kg	0.0208	0.0204	1.75	26		R199112-3	WG160049
p-Isopropyltoluene	mg/kg	0.0193	0.0190	1.67	23		R199112-3	WG160049
sec-Butylbenzene	mg/kg	0.0197	0.0193	2.31	24		R199112-3	WG160049
Styrene	mg/kg	0.0188	0.0185	1.39	26		R199112-3	WG160049
tert-Butylbenzene	mg/kg	0.0196	0.0191	2.53	25		R199112-3	WG160049
Tetrachloroethene	mg/kg	0.0179	0.0171	4.11	24		R199112-3	WG160049
Toluene	mg/kg	0.0183	0.0179	2.32	17		R199112-3	WG160049
trans-1,2-Dichloroethene	mg/kg	0.0186	0.0182	1.96	20		R199112-3	WG160049
trans-1,3-Dichloropropene	mg/kg	0.0185	0.0177	4.26	25		R199112-3	WG160049
Trichloroethene	mg/kg	0.0190	0.0184	3.53	22		R199112-3	WG160049
Trichlorofluoromethane	mg/kg	0.0162	0.0152	5.92	20		R199112-3	WG160049
Vinyl chloride	mg/kg	0.0155	0.0148	4.03	16		R199112-3	WG160049
Xylenes, Total	mg/kg	0.0563	0.0553	1.86	20		R199112-3	WG160049
1,1,1,2-Tetrachloroethane	mg/kg	0.0206	0.0215	4.09	22		R199156-3	WG160061
1,1,1-Trichloroethane	mg/kg	0.0196	0.0204	4.25	23		R199156-3	WG160061
1,1,2,2-Tetrachloroethane	mg/kg	0.0199	0.0210	5.43	23		R199156-3	WG160061
1,1,2-Trichloroethane	mg/kg	0.0209	0.0217	4.00	14		R199156-3	WG160061
1,1-Dichloroethane	mg/kg	0.0216	0.0222	2.97	21		R199156-3	WG160061
1,1-Dichloropropene	mg/kg	0.0226	0.0237	4.97	20		R199156-3	WG160061
1,2,3-Trichlorobenzene	mg/kg	0.0226	0.0236	4.25	20		R199156-3	WG160061
1,2,3-Trichloropropane	mg/kg	0.0181	0.0190	4.81	25		R199156-3	WG160061
1,2,4-Trichlorobenzene	mg/kg	0.0189	0.0206	8.15	23		R199156-3	WG160061
1,2,4-Trimethylbenzene	mg/kg	0.0165	0.0172	4.22	22		R199156-3	WG160061
1,2-Dibromo-3-Chloropropane	mg/kg	0.0183	0.0188	2.65	22		R199156-3	WG160061
1,2-Dibromoethane	mg/kg	0.0165	0.0185	11.6	24		R199156-3	WG160061
1,2-Dichlorobenzene	mg/kg	0.0208	0.0222	6.75	22		R199156-3	WG160061
1,2-Dichloroethane	mg/kg	0.0185	0.0190	2.56	22		R199156-3	WG160061
1,2-Dichloropropane	mg/kg	0.0228	0.0230	0.700	23		R199156-3	WG160061
1,2-Dichloropropane	mg/kg	0.0216	0.0226	4.16	22		R199156-3	WG160061
1,3,5-Trimethylbenzene	mg/kg	0.0182	0.0192	5.25	20		R199156-3	WG160061
1,3-Dichlorobenzene	mg/kg	0.0174	0.0179	3.06	22		R199156-3	WG160061
1,3-Dichloropropane	mg/kg	0.0210	0.0217	3.56	23		R199156-3	WG160061
1,4-Dichlorobenzene	mg/kg	0.0184	0.0187	1.67	20		R199156-3	WG160061
2,2,4-Trichloropropane	mg/kg	0.0198	0.0209	5.35	17		R199156-3	WG160061
2-Butanone (MEK)	mg/kg	0.0971	0.113	15.2	28		R199156-3	WG160061
2-Chloroethyl vinyl ether	mg/kg	0.0787	0.0861	9.03	25		R199156-3	WG160061



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Level II**

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2-Chlorotoluene mg/kg 0.0185 0.0195 5.53 28 R199156-3 WG160061

Analyte	Units	Laboratory Control		Sample Duplicate		Limit	Ref Samp	Batch
		LCSD Res	Res	Ref Res	RPD			
4-Chlorotoluene	mg/kg	0.0182	0.0188	3.62	17		R199156-3	WG160061
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0947	0.105	9.97	29		R199156-3	WG160061
Acetone	mg/kg	0.0820	0.0990	18.8	23		R199156-3	WG160061
Acrolein	mg/kg	0.0338	0.0474	33.4	20		R199156-3	WG160061
Acrylonitrile	mg/kg	0.0914	0.0975	6.38	19		R199156-3	WG160061
Benzene	mg/kg	0.0216	0.0218	1.02	20		R199156-3	WG160061
Bromobenzene	mg/kg	0.0198	0.0208	4.82	30		R199156-3	WG160061
Bromodichloromethane	mg/kg	0.0220	0.0227	3.26	22		R199156-3	WG160061
Bromoform	mg/kg	0.0213	0.0221	3.87	17		R199156-3	WG160061
Bromomethane	mg/kg	0.0202	0.0207	2.30	17		R199156-3	WG160061
Carbon tetrachloride	mg/kg	0.0201	0.0214	6.12	23		R199156-3	WG160061
Chlorobenzene	mg/kg	0.0193	0.0201	4.26	25		R199156-3	WG160061
Chlorodibromomethane	mg/kg	0.0195	0.0201	3.13	17		R199156-3	WG160061
Chloroethane	mg/kg	0.0224	0.0227	1.46	20		R199156-3	WG160061
Chloroform	mg/kg	0.0201	0.0208	3.66	22		R199156-3	WG160061
Chloromethane	mg/kg	0.0213	0.0219	2.73	20		R199156-3	WG160061
cis-1,2-Dichloroethene	mg/kg	0.0223	0.0232	3.95	22		R199156-3	WG160061
cis-1,3-Dichloropropene	mg/kg	0.0223	0.0229	2.65	28		R199156-3	WG160061
Diisopropyl ether	mg/kg	0.0224	0.0227	1.69	23		R199156-3	WG160061
Dibromomethane	mg/kg	0.0208	0.0219	4.92	29		R199156-3	WG160061
Dichlorodifluoromethane	mg/kg	0.0220	0.0231	4.83	21		R199156-3	WG160061
Ethylbenzene	mg/kg	0.0190	0.0199	4.63	22		R199156-3	WG160061
Hexachlorobutadiene	mg/kg	0.0160	0.0167	4.09	24		R199156-3	WG160061
Isopropylbenzene	mg/kg	0.0183	0.0194	5.62	20		R199156-3	WG160061
Methyl tert-butyl ether	mg/kg	0.0224	0.0229	2.43	24		R199156-3	WG160061
Methylene Chloride	mg/kg	0.0210	0.0214	1.98	11		R199156-3	WG160061
n-Butylbenzene	mg/kg	0.0162	0.0172	5.97	22		R199156-3	WG160061
n-Propylbenzene	mg/kg	0.0181	0.0190	4.95	24		R199156-3	WG160061
Naphthalene	mg/kg	0.0209	0.0211	0.954	26		R199156-3	WG160061
p-Isopropyltoluene	mg/kg	0.0174	0.0186	6.60	23		R199156-3	WG160061
sec-Butylbenzene	mg/kg	0.0179	0.0191	6.32	24		R199156-3	WG160061
Styrene	mg/kg	0.0188	0.0196	4.53	26		R199156-3	WG160061
tert-Butylbenzene	mg/kg	0.0184	0.0193	4.57	25		R199156-3	WG160061
Tetrachloroethene	mg/kg	0.0186	0.0198	6.16	24		R199156-3	WG160061
Toluene	mg/kg	0.0198	0.0207	4.54	17		R199156-3	WG160061
trans-1,2-Dichloroethene	mg/kg	0.0236	0.0240	1.68	20		R199156-3	WG160061
trans-1,3-Dichloropropene	mg/kg	0.0193	0.0199	2.65	25		R199156-3	WG160061
Trichloroethene	mg/kg	0.0210	0.0228	8.31	22		R199156-3	WG160061
Trichlorofluoromethane	mg/kg	0.0182	0.0194	6.07	20		R199156-3	WG160061
Vinyl chloride	mg/kg	0.0217	0.0226	3.84	16		R199156-3	WG160061
Xylenes, Total	mg/kg	0.0567	0.0595	4.96	20		R199156-3	WG160061

1,1,1,2-Tetrachloroethane	mg/kg	0.0225	0.0208	7.94	22		R199095-5	WG160081
1,1,1-Trichloroethane	mg/kg	0.0212	0.0201	5.52	23		R199095-5	WG160081
1,1,2,2-Tetrachloroethane	mg/kg	0.0210	0.0195	7.12	23		R199095-5	WG160081
1,1,2-Trichloroethane	mg/kg	0.0213	0.0196	8.07	14		R199095-5	WG160081
1,1-Dichloroethane	mg/kg	0.0215	0.0203	5.98	21		R199095-5	WG160081
1,1-Dichloropropene	mg/kg	0.0194	0.0188	3.14	20		R199095-5	WG160081
1,1-Dichloropropene	mg/kg	0.0193	0.0178	7.77	20		R199095-5	WG160081
1,2,3-Trichlorobenzene	mg/kg	0.0197	0.0169	15.7	25		R199095-5	WG160081
1,2,3-Trichloropropane	mg/kg	0.0201	0.0185	8.51	23		R199095-5	WG160081
1,2,4-Trichlorobenzene	mg/kg	0.0197	0.0170	14.7	22		R199095-5	WG160081
1,2,4-Trimethylbenzene	mg/kg	0.0194	0.0180	7.76	22		R199095-5	WG160081
1,2-Dibromo-3-Chloropropane	mg/kg	0.0196	0.0168	15.4	24		R199095-5	WG160081
1,2-Dibromoethane	mg/kg	0.0194	0.0177	9.54	22		R199095-5	WG160081
1,2-Dichlorobenzene	mg/kg	0.0208	0.0192	8.02	22		R199095-5	WG160081
1,2-Dichloroethane	mg/kg	0.0225	0.0220	2.42	23		R199095-5	WG160081
1,2-Dichloropropane	mg/kg	0.0214	0.0198	7.67	22		R199095-5	WG160081
1,3,5-Trimethylbenzene	mg/kg	0.0191	0.0179	6.11	20		R199095-5	WG160081



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

1,3-Dichlorobenzene mg/kg 0.0203 0.0195 4.12 22 R199095-5 WG160081

Analyte	Units	Laboratory Control		Sample Duplicate		Limit	Ref Samp	Batch
		LCSD Res	Ref Res	Res	RPD			
1,3-Dichloropropane	mg/kg	0.0191	0.0183	4.45	23		R199095-5	WG160081
1,4-Dichlorobenzene	mg/kg	0.0213	0.0196	8.02	20		R199095-5	WG160081
2,2-Dichloropropane	mg/kg	0.0216	0.0206	4.70	17		R199095-5	WG160081
2-Butanone (MEK)	mg/kg	0.0971	0.0909	6.60	28		R199095-5	WG160081
2-Chloroethyl vinyl ether	mg/kg	0.0431	0.0447	3.65	25		R199095-5	WG160081
2-Chlorotoluene	mg/kg	0.0191	0.0175	8.62	28		R199095-5	WG160081
4-Chlorotoluene	mg/kg	0.0201	0.0187	7.23	17		R199095-5	WG160081
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0937	0.0835	11.5	29		R199095-5	WG160081
Acetone	mg/kg	0.177	0.156	13.0	23		R199095-5	WG160081
Acrolein	mg/kg	0.0300	0.0176	52.4	20		R199095-5	WG160081
Acrylonitrile	mg/kg	0.0927	0.0814	13.0	19		R199095-5	WG160081
Benzene	mg/kg	0.0202	0.0190	6.07	20		R199095-5	WG160081
Bromobenzene	mg/kg	0.0187	0.0179	4.26	30		R199095-5	WG160081
Bromodichloromethane	mg/kg	0.0225	0.0214	4.78	22		R199095-5	WG160081
Bromoform	mg/kg	0.0190	0.0176	7.70	17		R199095-5	WG160081
Bromomethane	mg/kg	0.0154	0.0152	1.63	17		R199095-5	WG160081
Carbon tetrachloride	mg/kg	0.0213	0.0214	0.469	23		R199095-5	WG160081
Chlorobenzene	mg/kg	0.0185	0.0171	8.00	25		R199095-5	WG160081
Chlorodibromomethane	mg/kg	0.0198	0.0191	3.65	17		R199095-5	WG160081
Chloroethane	mg/kg	0.0177	0.0181	2.68	20		R199095-5	WG160081
Chloroform	mg/kg	0.0238	0.0228	4.42	22		R199095-5	WG160081
Chloromethane	mg/kg	0.0173	0.0172	0.348	20		R199095-5	WG160081
cis-1,2-Dichloroethene	mg/kg	0.0215	0.0207	4.03	22		R199095-5	WG160081
cis-1,3-Dichloropropene	mg/kg	0.0195	0.0179	8.77	28		R199095-5	WG160081
Diisopropyl ether	mg/kg	0.0184	0.0170	7.98	23		R199095-5	WG160081
Dibromomethane	mg/kg	0.0200	0.0196	2.18	29		R199095-5	WG160081
Dichlorodifluoromethane	mg/kg	0.0140	0.0142	1.20	21		R199095-5	WG160081
Ethylbenzene	mg/kg	0.0183	0.0172	6.48	22		R199095-5	WG160081
Hexachlorobutadiene	mg/kg	0.0215	0.0194	10.4	24		R199095-5	WG160081
Isopropylbenzene	mg/kg	0.0182	0.0168	8.23	20		R199095-5	WG160081
Methyl tert-butyl ether	mg/kg	0.0192	0.0166	14.0	24		R199095-5	WG160081
Methylene Chloride	mg/kg	0.0213	0.0193	9.85	11		R199095-5	WG160081
n-Butylbenzene	mg/kg	0.0207	0.0196	5.26	22		R199095-5	WG160081
n-Propylbenzene	mg/kg	0.0196	0.0180	8.26	24		R199095-5	WG160081
Naphthalene	mg/kg	0.0154	0.0125	20.7	26		R199095-5	WG160081
p-Isopropyltoluene	mg/kg	0.0194	0.0179	8.03	23		R199095-5	WG160081
sec-Butylbenzene	mg/kg	0.0200	0.0185	7.38	24		R199095-5	WG160081
Styrene	mg/kg	0.0192	0.0180	6.62	26		R199095-5	WG160081
tert-Butylbenzene	mg/kg	0.0186	0.0167	11.0	25		R199095-5	WG160081
Tetrachloroethene	mg/kg	0.0186	0.0175	5.65	24		R199095-5	WG160081
Toluene	mg/kg	0.0196	0.0182	7.36	17		R199095-5	WG160081
trans-1,2-Dichloroethene	mg/kg	0.0215	0.0203	5.36	20		R199095-5	WG160081
trans-1,3-Dichloropropene	mg/kg	0.0172	0.0159	7.55	25		R199095-5	WG160081
Trichloroethene	mg/kg	0.0194	0.0185	4.91	22		R199095-5	WG160081
Trichlorofluoromethane	mg/kg	0.0173	0.0172	0.522	20		R199095-5	WG160081
Vinyl chloride	mg/kg	0.0153	0.0150	2.17	16		R199095-5	WG160081
Xylenes, Total	mg/kg	0.0563	0.0527	6.57	20		R199095-5	WG160081
1,1,1-Trichloroethane	mg/kg	0.0192	0.0182	5.19	23		R199247-2	WG160179
1,1-Dichloroethane	mg/kg	0.0210	0.0200	5.13	21		R199247-2	WG160179
1,1-Dichloroethene	mg/kg	0.0234	0.0224	4.50	20		R199247-2	WG160179
Trichloroethene	mg/kg	0.0212	0.0197	7.63	22		R199247-2	WG160179

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
1,1,2,2-Tetrachloroethane	mg/kg	0.102	0.00	0.1	102	74-129	L158334-02	WG160032
1,1,1-Trichloroethane	mg/kg	0.0618	0.00	0.1	61.8	48-141	L158334-02	WG160032
1,1,2,2-Tetrachloroethane	mg/kg	0.0794	0.00	0.1	79.4	64-118	L158334-02	WG160032



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1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

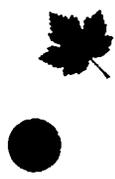
**Quality Assurance Report
Level II**

L158186

June 18, 2004

1,1,2-Trichloroethane mg/kg 0.0891 0.00 0.1 89.1 71-120 L158334-02 WG160032

Analyte	Units	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res					
1,1-Dichloroethane	mg/kg	0.0731	0.00	0.1	73.1	57-144	L158334-02	WG160032
1,1-Dichloroethene	mg/kg	0.0805	0.00	0.1	80.5	48-167	L158334-02	WG160032
1,1-Dichloropropene	mg/kg	0.0673	0.00	0.1	67.3	41-148	L158334-02	WG160032
1,2,3-Trichlorobenzene	mg/kg	0.0982	0.00	0.1	98.2	48-133	L158334-02	WG160032
1,2,3-Trichloropropane	mg/kg	0.0845	0.00	0.1	84.5	63-123	L158334-02	WG160032
1,2,4-Trichlorobenzene	mg/kg	0.0940	0.00	0.1	94.0	44-135	L158334-02	WG160032
1,2,4-Trimethylbenzene	mg/kg	0.0903	0.00	0.1	90.3	42-135	L158334-02	WG160032
1,2-Dibromo-3-Chloropropane	mg/kg	0.0680	0.00	0.1	68.0	38-138	L158334-02	WG160032
1,2-Dibromoethane	mg/kg	0.0955	0.00	0.1	95.5	67-122	L158334-02	WG160032
1,2-Dichlorobenzene	mg/kg	0.0851	0.00	0.1	85.1	48-126	L158334-02	WG160032
1,2-Dichloroethane	mg/kg	0.0670	0.00	0.1	67.0	40-158	L158334-02	WG160032
1,2-Dichloropropane	mg/kg	0.0769	0.00	0.1	76.9	61-134	L158334-02	WG160032
1,3,5-Trimethylbenzene	mg/kg	0.0860	0.00	0.1	86.0	40-138	L158334-02	WG160032
1,3-Dichlorobenzene	mg/kg	0.0875	0.00	0.1	87.5	41-134	L158334-02	WG160032
1,3-Dichloropropane	mg/kg	0.0914	0.00	0.1	91.4	72-125	L158334-02	WG160032
1,4-Dichlorobenzene	mg/kg	0.0786	0.00	0.1	78.6	44-129	L158334-02	WG160032
2,2-Dichloropropane	mg/kg	0.0615	0.00	0.1	61.5	42-154	L158334-02	WG160032
2-Butanone (MEK)	mg/kg	0.304	0.00	0.5	60.7	31-128	L158334-02	WG160032
2-Chloroethyl vinyl ether	mg/kg	0.121	0.00	0.5	24.1	17-168	L158334-02	WG160032
2-Chlorotoluene	mg/kg	0.0841	0.00	0.1	84.1	46-123	L158334-02	WG160032
4-Chlorotoluene	mg/kg	0.0851	0.00	0.1	85.1	38-130	L158334-02	WG160032
4-Methyl-2-pentanone (MIBK)	mg/kg	0.378	0.00	0.5	75.5	31-156	L158334-02	WG160032
Acetone	mg/kg	0.299	0.00	0.5	59.7	17-104	L158334-02	WG160032
Acrolein	mg/kg	0.112	0.00	0.5	22.4	34-95	L158334-02	WG160032
Acrylonitrile	mg/kg	0.281	0.00	0.5	56.2	45-131	L158334-02	WG160032
Benzene	mg/kg	0.0652	0.00	0.1	65.2	61-136	L158334-02	WG160032
Bromobenzene	mg/kg	0.0974	0.00	0.1	97.4	41-139	L158334-02	WG160032
Bromodichloromethane	mg/kg	0.0838	0.00	0.1	83.8	45-136	L158334-02	WG160032
Bromoform	mg/kg	0.0960	0.00	0.1	96.0	52-125	L158334-02	WG160032
Bromomethane	mg/kg	0.0680	0.00	0.1	68.0	35-153	L158334-02	WG160032
Carbon tetrachloride	mg/kg	0.0677	0.00	0.1	67.7	33-144	L158334-02	WG160032
Chlorobenzene	mg/kg	0.0950	0.00	0.1	95.0	53-129	L158334-02	WG160032
Chlorodibromomethane	mg/kg	0.0942	0.00	0.1	94.2	56-120	L158334-02	WG160032
Chloroethane	mg/kg	0.0830	0.00	0.1	83.0	41-148	L158334-02	WG160032
Chloroform	mg/kg	0.0633	0.0011	0.1	62.1	60-129	L158334-02	WG160032
Chloromethane	mg/kg	0.0662	0.0010	0.1	65.2	15-138	L158334-02	WG160032
cis-1,2-Dichloroethene	mg/kg	0.0762	0.00	0.1	76.2	61-137	L158334-02	WG160032
cis-1,3-Dichloropropene	mg/kg	0.0856	0.00	0.1	85.6	50-161	L158334-02	WG160032
Di-isopropyl ether	mg/kg	0.0772	0.00	0.1	77.2	63-133	L158334-02	WG160032
Dibromomethane	mg/kg	0.0789	0.00	0.1	78.9	49-133	L158334-02	WG160032
Dichlorodifluoromethane	mg/kg	0.0700	0.00	0.1	70.0	19-112	L158334-02	WG160032
Ethylbenzene	mg/kg	0.0878	0.00	0.1	87.8	57-126	L158334-02	WG160032
Hexachlorobutadiene	mg/kg	0.0808	0.00	0.1	80.8	35-134	L158334-02	WG160032
Isopropylbenzene	mg/kg	0.0870	0.00	0.1	87.0	49-119	L158334-02	WG160032
Methyl tert-butyl ether	mg/kg	0.0800	0.00	0.1	80.0	53-134	L158334-02	WG160032
Methylene Chloride	mg/kg	0.0785	0.0019	0.1	76.5	54-131	L158334-02	WG160032
n-Butylbenzene	mg/kg	0.0722	0.00	0.1	72.2	31-142	L158334-02	WG160032
n-Propylbenzene	mg/kg	0.0807	0.00	0.1	80.7	40-142	L158334-02	WG160032
Naphthalene	mg/kg	0.0897	0.0025	0.1	87.1	32-147	L158334-02	WG160032
p-Isopropyltoluene	mg/kg	0.0860	0.00	0.1	86.0	43-129	L158334-02	WG160032
sec-Butylbenzene	mg/kg	0.0829	0.00	0.1	82.9	45-123	L158334-02	WG160032
Styrene	mg/kg	0.0863	0.00	0.1	86.3	46-131	L158334-02	WG160032
tert-Butylbenzene	mg/kg	0.0909	0.00	0.1	90.9	45-133	L158334-02	WG160032
Tetrachloroethene	mg/kg	0.0867	0.00	0.1	86.7	55-117	L158334-02	WG160032
Toluene	mg/kg	0.0774	0.00	0.1	77.4	60-126	L158334-02	WG160032
trans-1,2-Dichloroethene	mg/kg	0.0817	0.00	0.1	81.7	36-146	L158334-02	WG160032
trans-1,3-Dichloropropene	mg/kg	0.0735	0.00	0.1	73.5	57-144	L158334-02	WG160032
Trichloroethene	mg/kg	0.0803	0.00	0.1	80.3	55-143	L158334-02	WG160032
Trichlorofluoromethane	mg/kg	0.0692	0.00	0.1	69.2	25-111	L158334-02	WG160032



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

Vinyl chloride mg/kg 0.0724 0.00 0.1 72.4 37-109 L158334-02 WG160032

Analyte	Units	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res					
Xylenes, Total	mg/kg	0.272	0.00	0.3	90.6	55-125	L158334-02	WG160032
1,1,1,2-Tetrachloroethane	mg/kg	0.0975	0.00	0.1	97.5	74-129	L158134-01	WG160049
1,1,1-Trichloroethane	mg/kg	0.0857	0.00	0.1	85.7	48-141	L158134-01	WG160049
1,1,2,2-Tetrachloroethane	mg/kg	0.0991	0.00	0.1	99.1	64-118	L158134-01	WG160049
1,1,2-Trichloroethane	mg/kg	0.0996	0.00	0.1	99.6	71-120	L158134-01	WG160049
1,1-Dichloroethane	mg/kg	0.0858	0.00	0.1	85.8	57-144	L158134-01	WG160049
1,1-Dichloropropene	mg/kg	0.0868	0.00	0.1	86.8	48-167	L158134-01	WG160049
1,1-Dichlorobenzene	mg/kg	0.0832	0.00	0.1	83.2	41-148	L158134-01	WG160049
1,2,3-Trichlorobenzene	mg/kg	0.0829	0.00	0.1	82.9	48-133	L158134-01	WG160049
1,2,3-Trichloropropane	mg/kg	0.0980	0.00	0.1	98.0	63-123	L158134-01	WG160049
1,2,4-Trichlorobenzene	mg/kg	0.0716	0.00	0.1	71.6	44-135	L158134-01	WG160049
1,2,4-Trimethylbenzene	mg/kg	0.0770	0.00	0.1	77.0	42-135	L158134-01	WG160049
1,2-Dibromo-3-Chloropropane	mg/kg	0.0957	0.00	0.1	95.7	38-138	L158134-01	WG160049
1,2-Dibromoethane	mg/kg	0.0938	0.00	0.1	93.8	67-122	L158134-01	WG160049
1,2-Dichlorobenzene	mg/kg	0.0799	0.00	0.1	79.9	48-126	L158134-01	WG160049
1,2-Dichloroethane	mg/kg	0.0988	0.00	0.1	98.8	40-158	L158134-01	WG160049
1,2-Dichloropropane	mg/kg	0.0966	0.00	0.1	96.6	61-134	L158134-01	WG160049
1,3,5-Trimethylbenzene	mg/kg	0.0747	0.00	0.1	74.7	40-138	L158134-01	WG160049
1,3-Dichlorobenzene	mg/kg	0.0730	0.00	0.1	73.0	41-134	L158134-01	WG160049
1,3-Dichloropropane	mg/kg	0.0963	0.00	0.1	96.3	72-125	L158134-01	WG160049
1,4-Dichlorobenzene	mg/kg	0.0687	0.00	0.1	68.7	44-129	L158134-01	WG160049
2,2-Dichloropropane	mg/kg	0.0818	0.00	0.1	81.8	42-154	L158134-01	WG160049
2-Butanone (MEK)	mg/kg	0.390	0.00	0.5	78.0	31-128	L158134-01	WG160049
2-Chloroethyl vinyl ether	mg/kg	0.510	0.00	0.5	102	17-168	L158134-01	WG160049
2-Chlorotoluene	mg/kg	0.0775	0.00	0.1	77.5	46-123	L158134-01	WG160049
4-Chlorotoluene	mg/kg	0.0748	0.00	0.1	74.8	38-130	L158134-01	WG160049
4-Methyl-2-pentanone (MIBK)	mg/kg	0.516	0.00	0.5	103	31-156	L158134-01	WG160049
Acetone	mg/kg	0.711	0.00	0.5	142	17-104	L158134-01	WG160049
Acrolein	mg/kg	0.300	0.00	0.5	60.0	34-95	L158134-01	WG160049
Acrylonitrile	mg/kg	0.411	0.00	0.5	82.1	45-131	L158134-01	WG160049
Benzene	mg/kg	0.0863	0.00	0.1	86.3	61-136	L158134-01	WG160049
Bromobenzene	mg/kg	0.0887	0.00	0.1	88.7	41-139	L158134-01	WG160049
Bromodichloromethane	mg/kg	0.102	0.00	0.1	102	45-136	L158134-01	WG160049
Bromoform	mg/kg	0.0938	0.00	0.1	93.8	52-125	L158134-01	WG160049
Bromomethane	mg/kg	0.0477	0.00	0.1	47.7	35-153	L158134-01	WG160049
Carbon tetrachloride	mg/kg	0.0849	0.00	0.1	84.9	33-144	L158134-01	WG160049
Chlorobenzene	mg/kg	0.0819	0.00	0.1	81.9	53-129	L158134-01	WG160049
Chlorodibromomethane	mg/kg	0.0916	0.00	0.1	91.6	56-120	L158134-01	WG160049
Chloroethane	mg/kg	0.0802	0.00	0.1	80.2	41-148	L158134-01	WG160049
Chloroform	mg/kg	0.0926	0.00	0.1	92.6	60-129	L158134-01	WG160049
Chloromethane	mg/kg	0.0637	0.00	0.1	63.7	15-138	L158134-01	WG160049
cis-1,2-Dichloroethene	mg/kg	0.0934	0.00	0.1	93.4	61-137	L158134-01	WG160049
cis-1,3-Dichloropropene	mg/kg	0.0966	0.00	0.1	96.6	50-161	L158134-01	WG160049
Di-isopropyl ether	mg/kg	0.0914	0.00	0.1	91.4	63-133	L158134-01	WG160049
Dibromomethane	mg/kg	0.0937	0.00	0.1	93.7	49-133	L158134-01	WG160049
Dichlorodifluoromethane	mg/kg	0.0589	0.00	0.1	58.9	19-112	L158134-01	WG160049
Ethylbenzene	mg/kg	0.0793	0.00	0.1	79.3	57-126	L158134-01	WG160049
Hexachlorobutadiene	mg/kg	0.0674	0.00	0.1	67.4	35-134	L158134-01	WG160049
Isopropylbenzene	mg/kg	0.0799	0.00	0.1	79.9	49-119	L158134-01	WG160049
Methyl tert-butyl ether	mg/kg	0.0970	0.00	0.1	97.0	53-134	L158134-01	WG160049
Methylene Chloride	mg/kg	0.0904	0.00	0.1	90.4	54-131	L158134-01	WG160049
n-Butylbenzene	mg/kg	0.0640	0.00	0.1	64.0	31-142	L158134-01	WG160049
n-Propylbenzene	mg/kg	0.0732	0.00	0.1	73.2	40-142	L158134-01	WG160049
Naphthalene	mg/kg	0.0991	0.00	0.1	99.1	32-147	L158134-01	WG160049
p-Isopropyltoluene	mg/kg	0.0717	0.00	0.1	71.7	43-129	L158134-01	WG160049
sec-Butylbenzene	mg/kg	0.0765	0.00	0.1	76.5	45-123	L158134-01	WG160049
Styrene	mg/kg	0.0792	0.00	0.1	79.2	46-131	L158134-01	WG160049
tert-Butylbenzene	mg/kg	0.0816	0.00	0.1	81.6	45-133	L158134-01	WG160049



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

Tetrachloroethene mg/kg 0.0706 0.00 0.1 70.6 55-117 L158134-01 WG160049

Analyte	Units	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res					
Toluene	mg/kg	0.0853	0.00	0.1	85.3	60-126	L158134-01	WG160049
trans-1,2-Dichloroethene	mg/kg	0.0861	0.00	0.1	86.1	36-146	L158134-01	WG160049
trans-1,3-Dichloropropene	mg/kg	0.0854	0.00	0.1	85.4	57-144	L158134-01	WG160049
Trichloroethene	mg/kg	0.0865	0.00	0.1	86.5	55-143	L158134-01	WG160049
Trichlorofluoromethane	mg/kg	0.0734	0.00	0.1	73.4	25-111	L158134-01	WG160049
Vinyl chloride	mg/kg	0.0694	0.00	0.1	69.4	37-109	L158134-01	WG160049
Xylenes, Total	mg/kg	0.235	0.00	0.3	78.5	55-125	L158134-01	WG160049
1,1,1,2-Tetrachloroethane	mg/kg	0.106	0.00	0.1	106.	74-129	L158300-01	WG160061
1,1,1-Trichloroethane	mg/kg	0.0859	0.00	0.1	85.9	48-141	L158300-01	WG160061
1,1,2,2-Tetrachloroethane	mg/kg	0.0912	0.00	0.1	91.2	64-118	L158300-01	WG160061
1,1,2-Trichloroethane	mg/kg	0.101	0.00	0.1	101.	71-120	L158300-01	WG160061
1,1-Dichloroethene	mg/kg	0.0875	0.00	0.1	87.5	57-144	L158300-01	WG160061
1,1-Dichloropropene	mg/kg	0.0944	0.00	0.1	94.4	48-167	L158300-01	WG160061
1,2,3-Trichlorobenzene	mg/kg	0.0881	0.00	0.1	88.1	41-148	L158300-01	WG160061
1,2,3-Trichloropropene	mg/kg	0.0624	0.00	0.1	62.4	48-133	L158300-01	WG160061
1,2,4-Trichlorobenzene	mg/kg	0.0953	0.00	0.1	95.3	63-123	L158300-01	WG160061
1,2,4-Trichloropropene	mg/kg	0.0646	0.00	0.1	64.6	44-135	L158300-01	WG160061
1,2,4-Trimethylbenzene	mg/kg	0.0833	0.00	0.1	83.3	42-135	L158300-01	WG160061
1,2-Dibromo-3-Chloropropane	mg/kg	0.0744	0.00	0.1	74.4	38-138	L158300-01	WG160061
1,2-Dibromoethane	mg/kg	0.103	0.00	0.1	103.	67-122	L158300-01	WG160061
1,2-Dichlorobenzene	mg/kg	0.0763	0.00	0.1	76.3	48-126	L158300-01	WG160061
1,2-Dichloroethane	mg/kg	0.0937	0.00	0.1	93.7	40-158	L158300-01	WG160061
1,2-Dichloropropane	mg/kg	0.0921	0.00	0.1	92.1	61-134	L158300-01	WG160061
1,3,5-Trimethylbenzene	mg/kg	0.0829	0.00	0.1	82.9	40-138	L158300-01	WG160061
1,3-Dichlorobenzene	mg/kg	0.0840	0.00	0.1	84.0	41-134	L158300-01	WG160061
1,3-Dichloropropane	mg/kg	0.0970	0.00	0.1	97.0	72-125	L158300-01	WG160061
1,4-Dichlorobenzene	mg/kg	0.0746	0.00	0.1	74.6	44-129	L158300-01	WG160061
2,2-Dichloropropane	mg/kg	0.0872	0.00	0.1	87.2	42-154	L158300-01	WG160061
2-Butanone (MEK)	mg/kg	0.425	0.00	0.5	84.9	31-128	L158300-01	WG160061
2-Chloroethyl vinyl ether	mg/kg	0.368	0.00	0.5	73.5	17-168	L158300-01	WG160061
2-Chlorotoluene	mg/kg	0.0831	0.00	0.1	83.1	46-123	L158300-01	WG160061
4-Chlorotoluene	mg/kg	0.0804	0.00	0.1	80.4	38-130	L158300-01	WG160061
4-Methyl-2-pentanone (MIBK)	mg/kg	0.466	0.00	0.5	93.2	31-156	L158300-01	WG160061
Acetone	mg/kg	0.479	0.00	0.5	95.7	17-104	L158300-01	WG160061
Acrolein	mg/kg	0.0531	0.00	0.5	10.6	34-95	L158300-01	WG160061
Acrylonitrile	mg/kg	0.322	0.00	0.5	64.4	45-131	L158300-01	WG160061
Benzene	mg/kg	0.0869	0.00	0.1	86.9	61-136	L158300-01	WG160061
Bromobenzene	mg/kg	0.0992	0.00	0.1	99.2	41-139	L158300-01	WG160061
Bromodichloromethane	mg/kg	0.103	0.00	0.1	103.	45-136	L158300-01	WG160061
Bromoform	mg/kg	0.117	0.00	0.1	117.	52-125	L158300-01	WG160061
Bromomethane	mg/kg	0.0759	0.00	0.1	75.9	35-153	L158300-01	WG160061
Carbon tetrachloride	mg/kg	0.0864	0.00	0.1	86.4	33-144	L158300-01	WG160061
Chlorobenzene	mg/kg	0.0930	0.00	0.1	93.0	53-129	L158300-01	WG160061
Chlorodibromomethane	mg/kg	0.105	0.00	0.1	105.	56-120	L158300-01	WG160061
Chloroethane	mg/kg	0.0852	0.00	0.1	85.2	41-148	L158300-01	WG160061
Chloroform	mg/kg	0.0890	0.00	0.1	89.0	60-129	L158300-01	WG160061
Chloromethane	mg/kg	0.0769	0.00	0.1	76.9	15-138	L158300-01	WG160061
cis-1,2-Dichloroethene	mg/kg	0.0967	0.00	0.1	96.7	61-137	L158300-01	WG160061
cis-1,3-Dichloropropene	mg/kg	0.0970	0.00	0.1	97.0	50-161	L158300-01	WG160061
Di-isopropyl ether	mg/kg	0.0894	0.00	0.1	89.4	63-133	L158300-01	WG160061
Dibromomethane	mg/kg	0.0938	0.00	0.1	93.8	49-133	L158300-01	WG160061
Dichlorodifluoromethane	mg/kg	0.0755	0.00	0.1	75.5	19-112	L158300-01	WG160061
Ethylbenzene	mg/kg	0.0879	0.00	0.1	87.9	57-126	L158300-01	WG160061
Hexachlorobutadiene	mg/kg	0.0565	0.00	0.1	56.5	35-134	L158300-01	WG160061
Isopropylbenzene	mg/kg	0.0851	0.00	0.1	85.1	49-119	L158300-01	WG160061
Methyl tert-butyl ether	mg/kg	0.0987	0.00	0.1	98.7	53-134	L158300-01	WG160061
Methylene chloride	mg/kg	0.0894	0.00	0.1	89.4	54-131	L158300-01	WG160061
n-Butylbenzene	mg/kg	0.0607	0.00	0.1	60.7	31-142	L158300-01	WG160061



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Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

**Quality Assurance Report
Level II**

L158186

June 18, 2004

n-Propylbenzene mg/kg 0.0779 0.00 0.1 77.9 40-142 L158300-01 WG160061

Analyte	Units	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res					
Naphthalene	mg/kg	0.0643	0.0250	0.1	39.3	32-147	L158300-01	WG160061
p-Isopropyltoluene	mg/kg	0.0751	0.00	0.1	75.1	43-129	L158300-01	WG160061
sec-Butylbenzene	mg/kg	0.0772	0.00	0.1	77.2	45-123	L158300-01	WG160061
Styrene	mg/kg	0.0881	0.00	0.1	88.1	46-131	L158300-01	WG160061
tert-Butylbenzene	mg/kg	0.0839	0.00	0.1	83.9	45-133	L158300-01	WG160061
Tetrachloroethene	mg/kg	0.0857	0.00	0.1	85.7	55-117	L158300-01	WG160061
Toluene	mg/kg	0.0893	0.00	0.1	89.3	60-126	L158300-01	WG160061
trans-1,2-Dichloroethene	mg/kg	0.0961	0.00	0.1	96.1	36-146	L158300-01	WG160061
trans-1,3-Dichloropropene	mg/kg	0.0884	0.00	0.1	88.4	57-144	L158300-01	WG160061
Trichloroethene	mg/kg	0.0924	0.00	0.1	92.4	55-143	L158300-01	WG160061
Trichlorofluoromethane	mg/kg	0.0749	0.00	0.1	74.9	25-111	L158300-01	WG160061
Vinyl chloride	mg/kg	0.0802	0.00	0.1	80.2	37-109	L158300-01	WG160061
Xylenes, Total	mg/kg	0.265	0.00	0.3	88.3	55-125	L158300-01	WG160061
1,1,1,2-Tetrachloroethane	mg/kg	0.101	0.00	0.1	101.	74-129	L158337-01	WG160081
1,1,1-Trichloroethane	mg/kg	0.0856	0.00	0.1	85.6	48-141	L158337-01	WG160081
1,1,2,2-Tetrachloroethane	mg/kg	0.0867	0.00	0.1	86.7	64-118	L158337-01	WG160081
1,1,2-Trichloroethane	mg/kg	0.0969	0.00	0.1	96.9	71-120	L158337-01	WG160081
1,1-Dichloroethane	mg/kg	0.0958	0.00	0.1	95.8	57-144	L158337-01	WG160081
1,1-Dichloropropene	mg/kg	0.101	0.00	0.1	101.	48-167	L158337-01	WG160081
1,2-Dichlorobenzene	mg/kg	0.0938	0.00	0.1	93.8	41-148	L158337-01	WG160081
1,2,3-Trichlorobenzene	mg/kg	0.0557	0.00	0.1	55.7	48-133	L158337-01	WG160081
1,2,3-Trichloropropane	mg/kg	0.0829	0.00	0.1	82.9	63-123	L158337-01	WG160081
1,2,4-Trichlorobenzene	mg/kg	0.0573	0.00	0.1	57.3	44-135	L158337-01	WG160081
1,2,4-Trimethylbenzene	mg/kg	0.0904	0.00	0.1	90.4	42-135	L158337-01	WG160081
1,2-Dibromo-3-Chloropropane	mg/kg	0.0824	0.00	0.1	82.4	38-138	L158337-01	WG160081
1,2-Dibromoethane	mg/kg	0.0895	0.00	0.1	89.5	67-122	L158337-01	WG160081
1,2-Dichlorobenzene	mg/kg	0.0727	0.00	0.1	72.7	48-126	L158337-01	WG160081
1,2-Dichloroethane	mg/kg	0.0886	0.00	0.1	88.6	40-158	L158337-01	WG160081
1,2-Dichloropropane	mg/kg	0.101	0.00	0.1	101.	61-134	L158337-01	WG160081
1,3,5-Trimethylbenzene	mg/kg	0.0893	0.00	0.1	89.3	40-138	L158337-01	WG160081
1,3-Dichlorobenzene	mg/kg	0.0725	0.00	0.1	72.5	41-134	L158337-01	WG160081
1,3-Dichloropropane	mg/kg	0.0935	0.00	0.1	93.5	72-125	L158337-01	WG160081
1,4-Dichlorobenzene	mg/kg	0.0687	0.00	0.1	68.7	44-129	L158337-01	WG160081
2,2-Dichloropropane	mg/kg	0.0861	0.00	0.1	86.1	42-154	L158337-01	WG160081
2-Butanone (MEK)	mg/kg	0.373	0.00	0.5	74.5	31-128	L158337-01	WG160081
2-Chloroethyl vinyl ether	mg/kg	0.240	0.00	0.5	48.1	17-168	L158337-01	WG160081
2-Chlorotoluene	mg/kg	0.0893	0.00	0.1	89.3	46-123	L158337-01	WG160081
4-Chlorotoluene	mg/kg	0.0830	0.00	0.1	83.0	38-130	L158337-01	WG160081
4-Methyl-2-pentanone (MTBE)	mg/kg	0.390	0.00	0.5	78.0	31-156	L158337-01	WG160081
Acetone	mg/kg	0.538	0.00	0.5	108.	17-104	L158337-01	WG160081
Acrolein	mg/kg	0.0112	0.00	0.5	2.2	34-95	L158337-01	WG160081
Acrylonitrile	mg/kg	0.370	0.00	0.5	73.9	45-131	L158337-01	WG160081
Benzene	mg/kg	0.0952	0.00	0.1	95.2	61-136	L158337-01	WG160081
Bromobenzene	mg/kg	0.0884	0.00	0.1	88.4	41-139	L158337-01	WG160081
Bromodichloromethane	mg/kg	0.0963	0.00	0.1	96.3	45-136	L158337-01	WG160081
Bromoform	mg/kg	0.0819	0.00	0.1	81.9	52-125	L158337-01	WG160081
Bromomethane	mg/kg	0.0820	0.00	0.1	82.0	35-153	L158337-01	WG160081
Carbon tetrachloride	mg/kg	0.0846	0.00	0.1	84.6	33-144	L158337-01	WG160081
Chlorobenzene	mg/kg	0.0916	0.00	0.1	91.6	53-129	L158337-01	WG160081
Chlorodibromomethane	mg/kg	0.0894	0.00	0.1	89.4	56-120	L158337-01	WG160081
Chloroethane	mg/kg	0.104	0.00	0.1	104.	41-148	L158337-01	WG160081
Chloroform	mg/kg	0.0965	0.00	0.1	96.5	60-129	L158337-01	WG160081
Chloromethane	mg/kg	0.0989	0.00	0.1	98.9	15-138	L158337-01	WG160081
cis-1,2-Dichloroethene	mg/kg	0.0987	0.00	0.1	98.7	61-137	L158337-01	WG160081
cis-1,3-Dichloropropene	mg/kg	0.0916	0.00	0.1	91.6	50-161	L158337-01	WG160081
Di-n-propyl ether	mg/kg	0.106	0.00	0.1	106.	63-133	L158337-01	WG160081
Dibromomethane	mg/kg	0.0879	0.00	0.1	87.9	49-133	L158337-01	WG160081
Dichlorodifluoromethane	mg/kg	0.0750	0.00	0.1	75.0	19-112	L158337-01	WG160081



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

Ethylbenzene mg/kg 0.0980 0.0140 0.1 84.0 57-126 L158337-01 WG160081

Analyte	Units	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res					
Hexachlorobutadiene	mg/kg	0.0735	0.00	0.1	73.5	35-134	L158337-01	WG160081
Isopropylbenzene	mg/kg	0.0957	0.00	0.1	95.7	49-119	L158337-01	WG160081
Methyl tert-butyl ether	mg/kg	0.0971	0.00	0.1	97.1	53-134	L158337-01	WG160081
Methylene Chloride	mg/kg	0.105	0.00	0.1	105	54-131	L158337-01	WG160081
n-Butylbenzene	mg/kg	0.0813	0.0120	0.1	69.3	31-142	L158337-01	WG160081
n-Propylbenzene	mg/kg	0.0916	0.0190	0.1	72.6	40-142	L158337-01	WG160081
Naphthalene	mg/kg	0.0631	0.0370	0.1	26.1	32-147	L158337-01	WG160081
p-Isopropyltoluene	mg/kg	0.0865	0.00	0.1	86.5	43-129	L158337-01	WG160081
sec-Butylbenzene	mg/kg	0.0949	0.00	0.1	94.9	45-123	L158337-01	WG160081
Styrene	mg/kg	0.0864	0.00	0.1	86.4	46-131	L158337-01	WG160081
tert-Butylbenzene	mg/kg	0.0937	0.00	0.1	93.7	45-133	L158337-01	WG160081
Tetrachloroethene	mg/kg	0.0846	0.00	0.1	84.6	55-117	L158337-01	WG160081
Toluene	mg/kg	0.0935	0.00	0.1	93.5	60-126	L158337-01	WG160081
trans-1,2-Dichloroethene	mg/kg	0.104	0.00	0.1	104	36-146	L158337-01	WG160081
trans-1,3-Dichloropropene	mg/kg	0.0782	0.00	0.1	78.2	57-144	L158337-01	WG160081
Trichloroethene	mg/kg	0.0913	0.00	0.1	91.3	55-143	L158337-01	WG160081
Trichlorofluoromethane	mg/kg	0.0790	0.00	0.1	79.0	25-111	L158337-01	WG160081
Vinyl chloride	mg/kg	0.0967	0.00	0.1	96.7	37-109	L158337-01	WG160081
Xylenes, Total	mg/kg	0.279	0.00	0.3	92.8	55-125	L158337-01	WG160081
1,1,1-Trichloroethane	mg/kg	0.0876	0.00	0.1	87.6	48-141	L158640-04	WG160179
1,1,2-Trichloroethane	mg/kg	0.112	0.00	0.1	112	57-144	L158640-04	WG160179
1,1-Dichloroethene	mg/kg	0.115	0.00	0.1	115	48-167	L158640-04	WG160179
Trichloroethene	mg/kg	0.0803	0.00	0.1	80.3	55-143	L158640-04	WG160179

Analyte	Units	Matrix Spike Duplicate			Limit	%Rec	Ref Samp	Batch
		MSD Res	Ref Res	RPD				
1,1,1,2-Tetrachloroethane	mg/kg	0.105	0.102	3.10	22	105	L158334-02	WG160032
1,1,1-Trichloroethane	mg/kg	0.0723	0.0618	15.7	23	72.3	L158334-02	WG160032
1,1,2,2-Tetrachloroethane	mg/kg	0.0848	0.0794	6.56	23	84.8	L158334-02	WG160032
1,1,2-Trichloroethane	mg/kg	0.0934	0.0891	4.76	14	93.4	L158334-02	WG160032
1,1-Dichloroethane	mg/kg	0.0731	0.0731	0.0958	21	73.1	L158334-02	WG160032
1,1-Dichloroethene	mg/kg	0.0794	0.0805	1.39	20	79.4	L158334-02	WG160032
1,1-Dichloropropene	mg/kg	0.0795	0.0673	16.6	20	79.5	L158334-02	WG160032
1,2,3-Trichlorobenzene	mg/kg	0.102	0.0982	4.03	25	102	L158334-02	WG160032
1,2,3-Trichloropropane	mg/kg	0.0878	0.0845	3.81	23	87.8	L158334-02	WG160032
1,2,4-Trichlorobenzene	mg/kg	0.0969	0.0940	3.06	22	96.9	L158334-02	WG160032
1,2,4-Trimethylbenzene	mg/kg	0.0917	0.0903	1.57	22	91.7	L158334-02	WG160032
1,2-Dibromo-3-Chloropropane	mg/kg	0.0751	0.0680	9.95	24	75.1	L158334-02	WG160032
1,2-Dibromoethane	mg/kg	0.100	0.0955	4.67	22	100	L158334-02	WG160032
1,2-Dichlorobenzene	mg/kg	0.0880	0.0851	3.40	22	88.0	L158334-02	WG160032
1,2-Dichloroethane	mg/kg	0.0734	0.0670	9.11	23	73.4	L158334-02	WG160032
1,2-Dichloropropane	mg/kg	0.0809	0.0769	5.04	22	80.9	L158334-02	WG160032
1,3,5-Trimethylbenzene	mg/kg	0.0876	0.0860	1.81	20	87.6	L158334-02	WG160032
1,3-Dichlorobenzene	mg/kg	0.0893	0.0875	1.97	22	89.3	L158334-02	WG160032
1,3-Dichloropropane	mg/kg	0.0926	0.0914	1.30	23	92.6	L158334-02	WG160032
1,4-Dichlorobenzene	mg/kg	0.0814	0.0786	3.41	20	81.4	L158334-02	WG160032
2,2-Dichloropropane	mg/kg	0.0700	0.0615	13.0	17	70.0	L158334-02	WG160032
2-Butanone (MEK)	mg/kg	0.355	0.304	15.6	28	355	L158334-02	WG160032
2-Chloroethyl vinyl ether	mg/kg	0.128	0.121	5.80	25	128	L158334-02	WG160032
2-Chlorotoluene	mg/kg	0.0861	0.0841	2.34	28	86.1	L158334-02	WG160032
4-Chlorotoluene	mg/kg	0.0875	0.0851	2.77	17	87.5	L158334-02	WG160032
4-Methyl-2-pentanone (MIBK)	mg/kg	0.412	0.378	8.64	29	412	L158334-02	WG160032
Acetone	mg/kg	0.304	0.299	1.73	20	60.8	L158334-02	WG160032
Acrolein	mg/kg	0.0905	0.112	21.3	20	18.1	L158334-02	WG160032
Acrylonitrile	mg/kg	0.294	0.281	4.62	19	58.9	L158334-02	WG160032
Benzene	mg/kg	0.0701	0.0652	7.18	21	70.1	L158334-02	WG160032
Bromobenzene	mg/kg	0.101	0.0974	3.60	30	101	L158334-02	WG160032



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

Bromodichloromethane mg/kg 0.0870 0.0838 3.71 22 87.0 L158334-02 WG160032

Analyte	Units	Matrix Spike Duplicate		RPD	Limit	%Rec	Ref Samp	Batch
		MSD Res	Ref Res					
Bromoform	mg/kg	0.101	0.0960	5.02	17	101	L158334-02	WG160032
Bromomethane	mg/kg	0.0726	0.0680	6.60	17	72.6	L158334-02	WG160032
Carbon tetrachloride	mg/kg	0.0775	0.0677	13.5	23	77.5	L158334-02	WG160032
Chlorobenzene	mg/kg	0.0978	0.0950	2.90	25	97.8	L158334-02	WG160032
Chlorodibromomethane	mg/kg	0.0991	0.0942	5.12	17	99.1	L158334-02	WG160032
Chloroethane	mg/kg	0.0842	0.0830	1.42	20	84.2	L158334-02	WG160032
Chloroform	mg/kg	0.0733	0.0633	14.6	22	72.1	L158334-02	WG160032
Chloromethane	mg/kg	0.0711	0.0662	7.08	20	70.1	L158334-02	WG160032
cis-1,2-Dichloroethene	mg/kg	0.0818	0.0762	7.12	22	81.8	L158334-02	WG160032
cis-1,3-Dichloropropene	mg/kg	0.0911	0.0856	6.22	28	91.1	L158334-02	WG160032
Di-isopropyl ether	mg/kg	0.0785	0.0772	1.63	23	78.5	L158334-02	WG160032
Dibromomethane	mg/kg	0.0833	0.0789	5.39	29	83.3	L158334-02	WG160032
Dichlorodifluoromethane	mg/kg	0.0726	0.0700	3.65	21	72.6	L158334-02	WG160032
Ethylbenzene	mg/kg	0.0905	0.0878	3.01	22	90.5	L158334-02	WG160032
Hexachlorobutadiene	mg/kg	0.0845	0.0808	4.49	24	84.5	L158334-02	WG160032
Isopropylbenzene	mg/kg	0.0917	0.0870	5.34	20	91.7	L158334-02	WG160032
Methyl tert-butyl ether	mg/kg	0.0817	0.0800	2.16	24	81.7	L158334-02	WG160032
Methylene Chloride	mg/kg	0.0791	0.0785	0.787	11	77.2	L158334-02	WG160032
n-Butylbenzene	mg/kg	0.0735	0.0722	1.73	22	73.5	L158334-02	WG160032
n-Propylbenzene	mg/kg	0.0827	0.0807	2.36	24	82.7	L158334-02	WG160032
Napthalene	mg/kg	0.0983	0.0897	9.15	26	95.7	L158334-02	WG160032
p-Propyltoluene	mg/kg	0.0873	0.0860	1.59	23	87.3	L158334-02	WG160032
sec-Butylbenzene	mg/kg	0.0872	0.0829	5.04	24	87.2	L158334-02	WG160032
Styrene	mg/kg	0.0901	0.0863	4.25	26	90.1	L158334-02	WG160032
tert-Butylbenzene	mg/kg	0.0937	0.0909	2.99	25	93.7	L158334-02	WG160032
Tetrachloroethene	mg/kg	0.0903	0.0867	4.12	24	90.3	L158334-02	WG160032
Toluene	mg/kg	0.0806	0.0774	4.08	25	80.6	L158334-02	WG160032
trans-1,2-Dichloroethene	mg/kg	0.0829	0.0817	1.41	20	82.9	L158334-02	WG160032
trans-1,3-Dichloropropene	mg/kg	0.0793	0.0735	7.66	25	79.3	L158334-02	WG160032
Trichloroethene	mg/kg	0.0838	0.0803	4.28	22	83.8	L158334-02	WG160032
Trichlorofluoromethane	mg/kg	0.0706	0.0692	2.00	20	70.6	L158334-02	WG160032
Vinyl chloride	mg/kg	0.0737	0.0724	1.81	16	73.7	L158334-02	WG160032
Xylenes, Total	mg/kg	0.277	0.272	1.93	20	92.4	L158334-02	WG160032
1,1,1,2-Tetrachloroethane	mg/kg	0.0903	0.0975	7.68	22	90.3	L158134-01	WG160049
1,1,1-Trichloroethane	mg/kg	0.0810	0.0857	5.58	23	81.0	L158134-01	WG160049
1,1,2,2-Tetrachloroethane	mg/kg	0.0901	0.0991	9.50	23	90.1	L158134-01	WG160049
1,1,2-Trichloroethane	mg/kg	0.0912	0.0996	8.87	14	91.2	L158134-01	WG160049
1,1-Dichloroethane	mg/kg	0.0799	0.0858	7.09	21	79.9	L158134-01	WG160049
1,1-Dichloroethene	mg/kg	0.0832	0.0868	4.28	20	83.2	L158134-01	WG160049
1,1-Dichloropropene	mg/kg	0.0768	0.0832	8.04	20	76.8	L158134-01	WG160049
1,2,3-Trichlorobenzene	mg/kg	0.0724	0.0829	13.6	25	72.4	L158134-01	WG160049
1,2,3-Trichloropropene	mg/kg	0.0889	0.0980	9.73	23	88.9	L158134-01	WG160049
1,2,4-Trichlorobenzene	mg/kg	0.0602	0.0716	17.3	22	60.2	L158134-01	WG160049
1,2,4-Trimethylbenzene	mg/kg	0.0698	0.0770	9.81	22	69.8	L158134-01	WG160049
1,2-Dibromo-3-Chloropropane	mg/kg	0.0825	0.0957	14.8	24	82.5	L158134-01	WG160049
1,2-Dibromoethane	mg/kg	0.0875	0.0938	6.88	22	87.5	L158134-01	WG160049
1,2-Dichlorobenzene	mg/kg	0.0718	0.0799	10.7	22	71.8	L158134-01	WG160049
1,2-Dichloroethane	mg/kg	0.0901	0.0988	9.23	23	90.1	L158134-01	WG160049
1,2-Dichloropropane	mg/kg	0.0900	0.0966	7.09	22	90.0	L158134-01	WG160049
1,3,5-Trimethylbenzene	mg/kg	0.0693	0.0747	7.47	20	69.3	L158134-01	WG160049
1,3-Dichlorobenzene	mg/kg	0.0652	0.0730	11.2	22	65.2	L158134-01	WG160049
1,3-Dichloropropene	mg/kg	0.0878	0.0963	9.21	23	87.8	L158134-01	WG160049
1,4-Dichlorobenzene	mg/kg	0.0604	0.0687	12.8	20	60.4	L158134-01	WG160049
2,2-Dichloropropane	mg/kg	0.0775	0.0818	5.37	17	77.5	L158134-01	WG160049
2-Butanone (MEK)	mg/kg	0.345	0.390	12.3	28	68.9	L158134-01	WG160049
2-Chloroethyl vinyl ether	mg/kg	0.450	0.510	12.5	25	90.0	L158134-01	WG160049
2-Chlorotoluene	mg/kg	0.0710	0.0775	8.80	28	71.0	L158134-01	WG160049
4-Chlorotoluene	mg/kg	0.0674	0.0748	10.4	17	67.4	L158134-01	WG160049



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

4-Methyl-2-pentanone (MIBK) mg/kg 0.451 0.516 13.3 29 90.3 L158134-01 WG160049

Analyte	Units	Matrix Spike Duplicate		RPD	Limit	%Rec	Ref Samp	Batch
		MSD Res	Ref Res					
Acetone	mg/kg	0.673	0.711	5.61	20	135.	L158134-01	WG160049
Acrolein	mg/kg	0.0645	0.300	129.	20	12.9	L158134-01	WG160049
Acrylonitrile	mg/kg	0.383	0.411	6.93	19	76.6	L158134-01	WG160049
Benzene	mg/kg	0.0795	0.0863	8.19	21	79.5	L158134-01	WG160049
Bromobenzene	mg/kg	0.0808	0.0887	9.32	30	80.8	L158134-01	WG160049
Bromodichloromethane	mg/kg	0.0939	0.102	7.96	22	93.9	L158134-01	WG160049
Bromoform	mg/kg	0.0847	0.0938	10.2	17	84.7	L158134-01	WG160049
Bromomethane	mg/kg	0.0423	0.0477	12.0	17	42.3	L158134-01	WG160049
Carbon tetrachloride	mg/kg	0.0787	0.0849	7.60	23	78.7	L158134-01	WG160049
Chlorobenzene	mg/kg	0.0760	0.0819	7.46	25	76.0	L158134-01	WG160049
Chlorodibromomethane	mg/kg	0.0827	0.0916	10.2	17	82.7	L158134-01	WG160049
Chloroethane	mg/kg	0.0757	0.0802	5.81	20	75.7	L158134-01	WG160049
Chloroform	mg/kg	0.0856	0.0926	7.82	22	85.6	L158134-01	WG160049
Chloromethane	mg/kg	0.0613	0.0637	3.73	20	61.3	L158134-01	WG160049
cis-1,2-Dichloroethene	mg/kg	0.0863	0.0934	7.94	22	86.3	L158134-01	WG160049
cis-1,3-Dichloropropene	mg/kg	0.0875	0.0966	9.94	28	87.5	L158134-01	WG160049
Di-isopropyl ether	mg/kg	0.0827	0.0914	10.0	23	82.7	L158134-01	WG160049
Dibromomethane	mg/kg	0.0860	0.0937	8.58	29	86.0	L158134-01	WG160049
Dichlorodifluoromethane	mg/kg	0.0540	0.0589	8.58	21	54.0	L158134-01	WG160049
Ethylbenzene	mg/kg	0.0742	0.0793	6.65	22	74.2	L158134-01	WG160049
Heptachlorobutadiene	mg/kg	0.0552	0.0674	19.9	24	55.2	L158134-01	WG160049
Isobutylbenzene	mg/kg	0.0734	0.0799	8.43	20	73.4	L158134-01	WG160049
Methyl tert-butyl ether	mg/kg	0.0872	0.0970	10.6	24	87.2	L158134-01	WG160049
Methylene Chloride	mg/kg	0.0838	0.0904	7.52	11	83.8	L158134-01	WG160049
n-Butylbenzene	mg/kg	0.0543	0.0640	16.4	22	54.3	L158134-01	WG160049
n-Propylbenzene	mg/kg	0.0666	0.0732	9.38	24	66.6	L158134-01	WG160049
Naphthalene	mg/kg	0.0866	0.0991	13.5	26	86.6	L158134-01	WG160049
p-Isopropyltoluene	mg/kg	0.0641	0.0717	11.2	23	64.1	L158134-01	WG160049
sec-Butylbenzene	mg/kg	0.0705	0.0765	8.19	24	70.5	L158134-01	WG160049
Styrene	mg/kg	0.0728	0.0792	8.36	26	72.8	L158134-01	WG160049
tert-Butylbenzene	mg/kg	0.0760	0.0816	7.09	25	76.0	L158134-01	WG160049
Tetrachloroethene	mg/kg	0.0647	0.0706	8.76	24	64.7	L158134-01	WG160049
Toluene	mg/kg	0.0778	0.0853	9.15	25	77.8	L158134-01	WG160049
trans-1,2-Dichloroethene	mg/kg	0.0786	0.0861	9.16	20	78.6	L158134-01	WG160049
trans-1,3-Dichloropropene	mg/kg	0.0780	0.0854	9.08	25	78.0	L158134-01	WG160049
Trichloroethene	mg/kg	0.0792	0.0865	8.87	22	79.2	L158134-01	WG160049
Trichlorofluoromethane	mg/kg	0.0680	0.0734	7.59	20	68.0	L158134-01	WG160049
Vinyl chloride	mg/kg	0.0646	0.0694	7.15	16	64.6	L158134-01	WG160049
Xylenes, Total	mg/kg	0.219	0.235	7.40	20	72.9	L158134-01	WG160049
1,1,1,2-Tetrachloroethane	mg/kg	0.102	0.106	3.65	22	102.	L158300-01	WG160061
1,1,1-Trichloroethane	mg/kg	0.0821	0.0859	4.56	23	82.1	L158300-01	WG160061
1,1,1,2,2-Tetrachloroethane	mg/kg	0.0925	0.0912	1.36	23	92.5	L158300-01	WG160061
1,1,2-Trichloroethane	mg/kg	0.0964	0.101	4.75	14	96.4	L158300-01	WG160061
1,1-Dichloroethane	mg/kg	0.0834	0.0875	4.73	21	83.4	L158300-01	WG160061
1,1-Dichloroethene	mg/kg	0.0915	0.0944	3.12	20	91.5	L158300-01	WG160061
1,1-Dichloropropene	mg/kg	0.0859	0.0881	2.53	20	85.9	L158300-01	WG160061
1,2,3-Trichlorobenzene	mg/kg	0.0673	0.0624	7.56	25	67.3	L158300-01	WG160061
1,2,3-Trichloropropane	mg/kg	0.0957	0.0953	0.429	23	95.7	L158300-01	WG160061
1,2,4-Trichlorobenzene	mg/kg	0.0651	0.0646	0.848	22	65.1	L158300-01	WG160061
1,2,4-Trimethylbenzene	mg/kg	0.0822	0.0833	1.34	22	82.2	L158300-01	WG160061
1,2-Dibromo-3-Chloropropane	mg/kg	0.0737	0.0744	0.946	24	73.7	L158300-01	WG160061
1,2-Dibromoethane	mg/kg	0.101	0.103	1.96	22	101.	L158300-01	WG160061
1,2-Dichlorobenzene	mg/kg	0.0753	0.0763	1.37	22	75.3	L158300-01	WG160061
1,2-Dichloroethane	mg/kg	0.0918	0.0937	2.04	23	91.8	L158300-01	WG160061
1,2-Dichloropropane	mg/kg	0.0898	0.0921	2.56	22	89.8	L158300-01	WG160061
1,3-Dimethylbenzene	mg/kg	0.0804	0.0829	3.07	20	80.4	L158300-01	WG160061
1,3-Dichlorobenzene	mg/kg	0.0805	0.0840	4.24	22	80.5	L158300-01	WG160061
1,3-Dichloropropane	mg/kg	0.0936	0.0970	3.56	23	93.6	L158300-01	WG160061



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

1,4-Dichlorobenzene mg/kg 0.0736 0.0746 1.34 20 73.6 L158300-01 WG160061

Analyte	Units	Matrix Spike Duplicate		RPD	Limit	%Rec	Ref Samp	Batch
		MSD Res	Ref Res					
2,2-Dichloropropane	mg/kg	0.0839	0.0872	3.87	17	83.9	L158300-01	WG160061
2-Butanone (MEK)	mg/kg	0.426	0.425	0.353	28	85.2	L158300-01	WG160061
2-Chloroethyl vinyl ether	mg/kg	0.355	0.368	3.57	25	70.9	L158300-01	WG160061
2-Chlorotoluene	mg/kg	0.0812	0.0831	2.33	28	81.2	L158300-01	WG160061
4-Chlorotoluene	mg/kg	0.0797	0.0804	0.850	17	79.7	L158300-01	WG160061
4-Methyl-2-pentanone (MIBK)	mg/kg	0.461	0.466	1.14	29	92.2	L158300-01	WG160061
Acetone	mg/kg	0.457	0.479	4.64	20	91.4	L158300-01	WG160061
Acrolein	mg/kg	0.0468	0.0531	12.6	20	9.36	L158300-01	WG160061
Acrylonitrile	mg/kg	0.325	0.322	0.866	19	64.9	L158300-01	WG160061
Benzene	mg/kg	0.0836	0.0869	3.91	21	83.6	L158300-01	WG160061
Bromobenzene	mg/kg	0.0989	0.0992	0.363	30	98.9	L158300-01	WG160061
Bromodichloromethane	mg/kg	0.0972	0.103	6.22	22	97.2	L158300-01	WG160061
Bromoform	mg/kg	0.114	0.117	2.94	17	114	L158300-01	WG160061
Bromomethane	mg/kg	0.0746	0.0759	1.73	17	74.6	L158300-01	WG160061
Carbon tetrachloride	mg/kg	0.0858	0.0864	0.720	23	85.8	L158300-01	WG160061
Chlorobenzene	mg/kg	0.0903	0.0930	2.88	25	90.3	L158300-01	WG160061
Chlorodibromomethane	mg/kg	0.0972	0.105	7.39	17	97.2	L158300-01	WG160061
Chloroethane	mg/kg	0.0819	0.0852	3.88	20	81.9	L158300-01	WG160061
Chloroform	mg/kg	0.0845	0.0890	5.18	22	84.5	L158300-01	WG160061
Chloromethane	mg/kg	0.0739	0.0769	3.99	20	73.9	L158300-01	WG160061
cis-1,2-Dichloroethene	mg/kg	0.0917	0.0967	5.37	22	91.7	L158300-01	WG160061
cis-1,3-Dichloropropene	mg/kg	0.0920	0.0970	5.35	28	92.0	L158300-01	WG160061
Di-isopropyl ether	mg/kg	0.0860	0.0894	3.86	23	86.0	L158300-01	WG160061
Dibromomethane	mg/kg	0.0910	0.0938	2.99	29	91.0	L158300-01	WG160061
Dichlorodifluoromethane	mg/kg	0.0737	0.0755	2.33	21	73.7	L158300-01	WG160061
Ethylbenzene	mg/kg	0.0852	0.0879	3.20	22	85.2	L158300-01	WG160061
Hexachlorobutadiene	mg/kg	0.0549	0.0565	2.84	24	54.9	L158300-01	WG160061
Isopropylbenzene	mg/kg	0.0832	0.0851	2.21	20	83.2	L158300-01	WG160061
Methyl tert-butyl ether	mg/kg	0.0957	0.0987	3.07	24	95.7	L158300-01	WG160061
Methylene Chloride	mg/kg	0.0855	0.0894	4.41	11	85.5	L158300-01	WG160061
n-Butylbenzene	mg/kg	0.0607	0.0607	0.115	22	60.7	L158300-01	WG160061
n-Propylbenzene	mg/kg	0.0779	0.0779	0.0513	24	77.9	L158300-01	WG160061
Napthalene	mg/kg	0.0842	0.0643	26.8	26	59.2	L158300-01	WG160061
o-Isopropyltoluene	mg/kg	0.0742	0.0751	1.29	23	74.2	L158300-01	WG160061
sec-Butylbenzene	mg/kg	0.0760	0.0772	1.51	24	76.0	L158300-01	WG160061
Styrene	mg/kg	0.0857	0.0881	2.83	26	85.7	L158300-01	WG160061
tert-Butylbenzene	mg/kg	0.0827	0.0839	1.44	25	82.7	L158300-01	WG160061
Tetrachloroethene	mg/kg	0.0852	0.0857	0.515	24	85.2	L158300-01	WG160061
Toluene	mg/kg	0.0879	0.0893	1.64	25	87.9	L158300-01	WG160061
trans-1,2-Dichloroethene	mg/kg	0.0915	0.0961	4.86	20	91.5	L158300-01	WG160061
trans-1,3-Dichloropropene	mg/kg	0.0844	0.0884	4.60	25	84.4	L158300-01	WG160061
Trichloroethene	mg/kg	0.0897	0.0924	3.02	22	89.7	L158300-01	WG160061
Trichlorofluoromethane	mg/kg	0.0725	0.0749	3.28	20	72.5	L158300-01	WG160061
Vinyl chloride	mg/kg	0.0774	0.0802	3.50	16	77.4	L158300-01	WG160061
Xylenes, Total	mg/kg	0.258	0.265	2.79	20	85.9	L158300-01	WG160061
1,1,1,2-Tetrachloroethane	mg/kg	0.106	0.101	4.44	22	106	L158337-01	WG160081
1,1,1-Trichloroethane	mg/kg	0.0951	0.0856	10.5	23	95.1	L158337-01	WG160081
1,1,1,2,2-Tetrachloroethane	mg/kg	0.0879	0.0867	1.35	23	87.9	L158337-01	WG160081
1,1,2-Trichloroethane	mg/kg	0.0976	0.0969	0.740	14	97.6	L158337-01	WG160081
1,1-Dichloroethane	mg/kg	0.104	0.0958	7.78	21	104	L158337-01	WG160081
1,1-Dichloroethene	mg/kg	0.113	0.101	1.6	20	113	L158337-01	WG160081
1,1-Dichloropropene	mg/kg	0.102	0.0938	8.07	20	102	L158337-01	WG160081
1,2,3-Trichlorobenzene	mg/kg	0.0562	0.0557	0.912	25	56.2	L158337-01	WG160081
1,2,3-Trichloropropene	mg/kg	0.0830	0.0829	0.193	23	83.0	L158337-01	WG160081
1,2,4-Trichlorobenzene	mg/kg	0.0542	0.0573	5.64	22	54.2	L158337-01	WG160081
1,2,4-Trimethylbenzene	mg/kg	0.0881	0.0904	2.66	22	88.1	L158337-01	WG160081
1,2-Dibromo-3-Chloropropane	mg/kg	0.0899	0.0824	8.61	24	89.9	L158337-01	WG160081
1,2-Dibromoethane	mg/kg	0.0967	0.0895	7.74	22	96.7	L158337-01	WG160081



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**Quality Assurance Report
Level II**

L158186

June 18, 2004

1,2-Dichlorobenzene mg/kg 0.0846 0.0727 15.1 22 84.6 L158337-01 WG160081

Analyte	Units	Matrix Spike Duplicate			RPD	Limit	%Rec	Ref Samp	Batch
		MSD	Res	Ref Res					
1,2-Dichloroethane	mg/kg	0.0970	0.0886	9.13	23	97.0	L158337-01	WG160081	
1,2-Dichloropropane	mg/kg	0.106	0.101	5.32	22	106.	L158337-01	WG160081	
1,3,5-Trimethylbenzene	mg/kg	0.0913	0.0893	2.17	20	91.3	L158337-01	WG160081	
1,3-Dichlorobenzene	mg/kg	0.0741	0.0725	2.17	22	74.1	L158337-01	WG160081	
1,3-Dichloropropane	mg/kg	0.0961	0.0935	2.70	23	96.1	L158337-01	WG160081	
1,4-Dichlorobenzene	mg/kg	0.0781	0.0687	12.7	20	78.1	L158337-01	WG160081	
2,2-Dichloropropane	mg/kg	0.0917	0.0861	6.29	17	91.7	L158337-01	WG160081	
2-Butanone (MEK)	mg/kg	0.413	0.373	10.3	28	82.6	L158337-01	WG160081	
2-Chloroethyl vinyl ether	mg/kg	0.243	0.240	1.28	25	48.7	L158337-01	WG160081	
2-Chlorotoluene	mg/kg	0.0886	0.0893	0.754	28	88.6	L158337-01	WG160081	
4-Chlorotoluene	mg/kg	0.0841	0.0830	1.41	17	84.1	L158337-01	WG160081	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.427	0.390	9.10	29	85.5	L158337-01	WG160081	
Acetone	mg/kg	0.612	0.538	12.9	20	122.	L158337-01	WG160081	
Acrolein	mg/kg	0.0642	0.0112	141.	20	12.8	L158337-01	WG160081	
Acrylonitrile	mg/kg	0.417	0.370	12.0	19	83.4	L158337-01	WG160081	
Benzene	mg/kg	0.102	0.0952	7.00	21	102.	L158337-01	WG160081	
Bromobenzene	mg/kg	0.0895	0.0884	1.20	30	89.5	L158337-01	WG160081	
Bromodichloromethane	mg/kg	0.0994	0.0963	3.12	22	99.4	L158337-01	WG160081	
Bromoform	mg/kg	0.0799	0.0819	2.45	17	79.9	L158337-01	WG160081	
Bromomethane	mg/kg	0.0903	0.0820	9.64	17	90.3	L158337-01	WG160081	
Carbon tetrachloride	mg/kg	0.0924	0.0846	8.90	23	92.4	L158337-01	WG160081	
Chlorobenzene	mg/kg	0.0955	0.0916	4.14	25	95.5	L158337-01	WG160081	
Chlorodibromomethane	mg/kg	0.0873	0.0894	2.37	17	87.3	L158337-01	WG160081	
Chloroethane	mg/kg	0.117	0.104	11.8	20	117.	L158337-01	WG160081	
Chloroform	mg/kg	0.107	0.0965	10.2	22	107.	L158337-01	WG160081	
Chloromethane	mg/kg	0.106	0.0989	6.71	20	106.	L158337-01	WG160081	
cis-1,2-Dichloroethene	mg/kg	0.105	0.0987	6.22	22	105.	L158337-01	WG160081	
cis-1,3-Dichloropropene	mg/kg	0.0956	0.0916	4.26	28	95.6	L158337-01	WG160081	
Di-isopropyl ether	mg/kg	0.110	0.106	4.09	23	110.	L158337-01	WG160081	
Dibromomethane	mg/kg	0.0907	0.0879	3.07	29	90.7	L158337-01	WG160081	
Dichlorodifluoromethane	mg/kg	0.0799	0.0750	6.32	21	79.9	L158337-01	WG160081	
Ethylbenzene	mg/kg	0.100	0.0980	2.11	22	86.1	L158337-01	WG160081	
Hexachlorobutadiene	mg/kg	0.0640	0.0735	13.8	24	64.0	L158337-01	WG160081	
Isopropylbenzene	mg/kg	0.0980	0.0957	2.39	20	98.0	L158337-01	WG160081	
Methyl tert-butyl ether	mg/kg	0.106	0.0971	8.73	24	106.	L158337-01	WG160081	
Methylene Chloride	mg/kg	0.110	0.105	4.84	11	110.	L158337-01	WG160081	
n-Butylbenzene	mg/kg	0.0821	0.0813	0.991	22	70.1	L158337-01	WG160081	
n-Propylbenzene	mg/kg	0.0904	0.0916	1.35	24	71.4	L158337-01	WG160081	
Naphthalene	mg/kg	0.0655	0.0631	3.75	26	28.5	L158337-01	WG160081	
p-Isopropyltoluene	mg/kg	0.0834	0.0865	2.61	23	83.4	L158337-01	WG160081	
sec-Butylbenzene	mg/kg	0.0912	0.0949	4.00	24	91.2	L158337-01	WG160081	
Styrene	mg/kg	0.0909	0.0864	5.00	26	90.9	L158337-01	WG160081	
tert-Butylbenzene	mg/kg	0.0931	0.0937	0.643	25	93.1	L158337-01	WG160081	
Tetrachloroethene	mg/kg	0.0911	0.0846	7.38	24	91.1	L158337-01	WG160081	
Toluene	mg/kg	0.101	0.0935	7.36	25	101.	L158337-01	WG160081	
trans-1,2-Dichloroethene	mg/kg	0.116	0.104	11.6	20	116.	L158337-01	WG160081	
trans-1,3-Dichloropropene	mg/kg	0.0816	0.0782	4.25	25	81.6	L158337-01	WG160081	
Trichloroethene	mg/kg	0.0985	0.0913	7.54	22	98.5	L158337-01	WG160081	
Trichlorofluoromethane	mg/kg	0.0869	0.0790	9.52	20	86.9	L158337-01	WG160081	
Vinyl chloride	mg/kg	0.105	0.0967	8.41	16	105.	L158337-01	WG160081	
Xylenes, Total	mg/kg	0.290	0.279	3.87	20	96.5	L158337-01	WG160081	
1,1,1-Trichloroethane	mg/kg	0.0886	0.0876	1.16	23	88.6	L158640-04	WG160179	
1,1-Dichloroethane	mg/kg	0.110	0.112	1.89	21	110.	L158640-04	WG160179	
1,1-Dichloroethene	mg/kg	0.116	0.115	0.605	20	116.	L158640-04	WG160179	
Trichloroethene	mg/kg	0.0827	0.0803	2.98	22	82.7	L158640-04	WG160179	



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Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report
Level II
L158186

June 18, 2004

Batch number /Run number / Sample number cross reference

WG160081: R199095: L158186-21 22 23 24
WG160049: R199112: L158186-02 03 04 05 06 07 08 09 10
WG160032: R199142: L158186-11 12 13 14 15 16 17 18 19 20
WG160061: R199156: L158186-01
WG160142: R199238: L158186-01 02 03 04 05
WG160143: R199244: L158186-06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
WG160179: R199247: L158186-15 23

See Attachment B of standard report for list of qualifiers.
* Calculations are performed prior to rounding of reported values .



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Mr. Tom Davis
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Raleigh, NC 27607

Quality Assurance Report
Level II

L158186

June 18, 2004

ESC Level 2 Data Package

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Quantum Environmental Inc.
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 Raleigh, NC 27607

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody
 Page 3 of 3

Report to: **Mr. Tom Davis** Email: **tdavis@QUANTUMCOs.co**

Project Description: **Nello Teer** City/State Collected: **NC**

Phone: (919) 852-3595 Client Project #: **0013-94-012** Lab Project #: **QUANTUM-001394012**
 FAX: (919) 852-1997

Collected by (print): **Davis** Site/Facility ID#: P.O.#:

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
 12065 Lebanon Road
 Mt. Juliet, TN 37122
 Phone (800) 767-5859
 FAX (615) 758-5859

Collected by (signature): *[Signature]* **Rush?** (Lab MUST Be Notified)
 Same Day 200%
 Next Day 100%
 Two Day 50%

Date Results Needed: _____
 Email? No Yes
 FAX? No Yes

Packed on Ice: **N** (Y)

CoCode: **QUANTUM** (lab use only)
 Template/Prelogin: **T25141/P116376**
 Cooler#: **6/8/04**
 Shipped Via: **FedEX Ground CA**

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	TS 4oz Clr-No Pres	V8260 40ml/NaHSO4/Sr/MeOH	VOC Screen 2oz Clr-No Pres	Remarks/Contaminant	Sample # (lab only)
SB-7	G	SS		6/11/04	0935	5	X	X	X		L158186-01
SB-2-1		SS	0-2'		0950	5	X	X	X		02
SB-2-2		SS	2-4'		0955	5	X	X	X		03
SB-3		SS	0-1'		1010	5	X	X	X		04
SB-4-1		SS	0-2'		1025	5	X	X	X		05
SB-4-2		SS	2-4'		1035	5	X	X	X		06
SB-5		SS	1-3'		1045	5	X	X	X		07
SB-6-1		SS	1-2'		1055	5	X	X	X		08
SB-6-2		SS	2-4'		1105	5	X	X	X		09

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) <i>[Signature]</i>	Date: 6/11/04	Time: 1550	Received by: (Signature) <i>[Signature]</i>	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/>	Condition: (lab use only) OK
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received by: (Signature) <i>[Signature]</i>	Temp: 3.3 Bottles Received: 120	
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 6/12/04 Time: 9:30	pH Checked: NCF

Quantum Environmental Inc.

6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody

Page 3 of 3

Report to: **Mr. Tom Davis** Email: **tdavis@QUANTUMCOs.co**

Project Description: **Nello Teer** City/State Collected: **NC**
 Client Project #: **0013-94-012** Lab Project #: **QUANTUM-001394012**
 Phone: **(919) 852-3595** Site/Facility ID#: P.O.#:
 FAX: **(919) 852-1997**

Collected by (print): **Davis** Site/Facility ID#: P.O.#:
 Collected by (signature): *[Signature]* **Rush?** (Lab MUST Be Notified)
 ___ Same Day 200% Date Results Needed
 ___ Next Day 100% Email? ___ No Yes
 ___ Two Day 50% FAX? ___ No ___ Yes No. of Cntrs

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	IS 4oz Clr-No Pres	V8260 40ml/NaHSO4/Sr/MeOH	VOC Screen 2oz Clr-No Pres	Remarks/Contaminant	Sample # (lab only)
SB-7-1	G	SS	1-3'	6/11/04	1115	5	X	X	X		458186-10
SB-7-2		SS	3-5'		1125	5	X	X	X		11
SB-8-1		SS	0-2'		1135	5	X	X	X		12
SB-8-2		SS	2-4'		1145	5	X	X	X		13
SB-9-1		SS	0-2'		1235	5	X	X	X		14
SB-9-2		SS	2-4'		1240	5	X	X	X		15
SB-10-1		SS	0-2'		1255	5	X	X	X		16
SB-10-2		SS	2-4'		1305	5	X	X	X		17
SB-11-1		SS	0-2'		1325	5	X	X	X		18

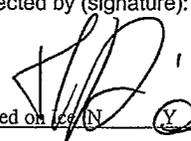
Prepared by:
ENVIRONMENTAL SCIENCE CORP.
 12065 Lebanon Road
 Mt. Juliet, TN 37122
 Phone (800) 767-5859
 FAX (615) 758-5859

CoCode: **QUANTUM** (lab use only)
 Template/Prelogin: **T25141/P116376**
 Cooler #:
 Shipped Via: **FedEX Ground**

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks: pH _____ Temp _____
 Flow _____ Other _____

Relinquished by: (Signature) <i>[Signature]</i>	Date: 6/11/04	Time: 1550	Received by: (Signature) <i>[Signature]</i>	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received by: (Signature)	Temp: 3.3	Bottles Received: 20
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 6/12/04	Time: 9:30

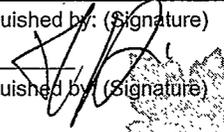
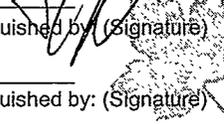
Company Name/Address: Quantum Environmental Inc, Raleigh		Alternate billing information:		Analysis/Container/Preservative				Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859			
Report to: Tam Davis		Email to: tdavis@quantumcos.com		9260 volatiles				In of Custody e 3 of 3			
Project Description: Nelco Teen		City/State Collected: NC						GoCode: (lab use only)		Template/Prelogin	
Phone: FAX:		Client Project #:						ESC Key:		Shipped Via:	
Collected by: DAVIS		Site/Facility ID#:						P.O.#:		Remarks/Contaminant	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ___ Same Day.....200% ___ Next Day..... 100% ___ Two Day.....50%						Date Results Needed: Email? ___ No ___ Yes FAX? ___ No ___ Yes		Sample # (lab only)	
Packed on (Yes/No) (Y)								No. of Cntrs			
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	Remarks/Contaminant	Sample # (lab only)			
SB-11-2	G	SS	2-4'	6/11/04	1330	5 X		L158186-19			
SB-12-1	I	SS	0-2'		1340	5 X		20			
SB-12-2	I	SS	2-4'		1345	5 X		21			
SB-13	I	SS	0-2'		1350	5 X		22			
SB-14	I	SS	1-3'		1400	5 X		23			
SB-15	I	SS	0-2'		1415	5 X		24			

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature) 	Date: 6/11/04	Time: 1550	Received by: (Signature) Brent Rade	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Condition: (lab use only) OK
Relinquished by: (Signature) 	Date:	Time:	Received by: (Signature)	Temp: 33	Bottles Received: 25
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) AKM	Date: 6/12/04	Time: 9:30
				pH Checked:	NCF:

Appendix C
Surface Water Sampling
Chain of Custody and Analytical Results



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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

July 19, 2004

Date Received : July 15, 2004
Description : Nello Teer

ESC Sample # : L161882-01

Sample ID : TQ-25 25FT

Site ID :

Collected By : Davis/Dwyer
Collection Date : 07/14/04 09:20

Project # : 0013-94-012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	25.	ug/l	6210D	07/16/04	1
Acrolein	BDL	50.	ug/l	6210D	07/16/04	1
Acrylonitrile	BDL	10.	ug/l	6210D	07/16/04	1
Benzene	BDL	1.0	ug/l	6210D	07/16/04	1
Bromobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Bromodichloromethane	BDL	1.0	ug/l	6210D	07/16/04	1
Bromoform	BDL	1.0	ug/l	6210D	07/16/04	1
Bromomethane	BDL	1.0	ug/l	6210D	07/16/04	1
n-Butylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
sec-Butylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
tert-Butylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Carbon tetrachloride	BDL	1.0	ug/l	6210D	07/16/04	1
Chlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Chlorodibromomethane	BDL	1.0	ug/l	6210D	07/16/04	1
Chloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
Chloroform	BDL	5.0	ug/l	6210D	07/16/04	1
Chloromethane	BDL	1.0	ug/l	6210D	07/16/04	1
2-Chlorotoluene	BDL	1.0	ug/l	6210D	07/16/04	1
4-Chlorotoluene	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	2.0	ug/l	6210D	07/16/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	6210D	07/16/04	1
Dibromomethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1-Dichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1-Dichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1-Dichloropropene	BDL	1.0	ug/l	6210D	07/16/04	1
1,3-Dichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
2,2-Dichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
Di-isopropyl ether	BDL	1.0	ug/l	6210D	07/16/04	1
Ethylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Hexachlorobutadiene	BDL	1.0	ug/l	6210D	07/16/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233



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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

July 19, 2004

Date Received : July 15, 2004
Description : Nello Teer

ESC Sample # : L161882-01

Sample ID : TQ-25 25FT

Site ID :

Collected By : Davis/Dwyer
Collection Date : 07/14/04 09:20

Project # : 0013-94-012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Isopropylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
p-Isopropyltoluene	BDL	1.0	ug/l	6210D	07/16/04	1
2-Butanone (MEK)	BDL	10.	ug/l	6210D	07/16/04	1
Methylene Chloride	BDL	5.0	ug/l	6210D	07/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	6210D	07/16/04	1
Methyl tert-butyl ether	BDL	1.0	ug/l	6210D	07/16/04	1
Naphthalene	BDL	5.0	ug/l	6210D	07/16/04	1
n-Propylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Styrene	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
Tetrachloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
Toluene	BDL	5.0	ug/l	6210D	07/16/04	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
Trichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Vinyl chloride	BDL	1.0	ug/l	6210D	07/16/04	1
o-Xylene	BDL	1.0	ug/l	6210D	07/16/04	1
m&p-Xylenes	BDL	2.0	ug/l	6210D	07/16/04	1
Surrogate Recovery						
Toluene-d8	95.		% Rec.	6210D	07/16/04	1
Dibromofluoromethane	95.		% Rec.	6210D	07/16/04	1
4-Bromofluorobenzene	100		% Rec.	6210D	07/16/04	1

Cb

Cheli Boucher, ESC Representative

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 07/19/04 14:14 Printed: 07/19/04 14:14



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Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

July 19, 2004

Date Received : July 15, 2004
Description : Nello Teer

ESC Sample # : L161882-02

Sample ID : TQ-S

Site ID :

Collected By : Davis/Dwyer
Collection Date : 07/14/04 09:25

Project # : 0013-94-012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	25.	ug/l	6210D	07/16/04	1
Acrolein	BDL	50.	ug/l	6210D	07/16/04	1
Acrylonitrile	BDL	10.	ug/l	6210D	07/16/04	1
Benzene	BDL	1.0	ug/l	6210D	07/16/04	1
Bromobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Bromodichloromethane	BDL	1.0	ug/l	6210D	07/16/04	1
Bromoform	BDL	1.0	ug/l	6210D	07/16/04	1
Bromomethane	BDL	1.0	ug/l	6210D	07/16/04	1
n-Butylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
sec-Butylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
tert-Butylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Carbon tetrachloride	BDL	1.0	ug/l	6210D	07/16/04	1
Chlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Chlorodibromomethane	BDL	1.0	ug/l	6210D	07/16/04	1
Chloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
Chloroform	BDL	5.0	ug/l	6210D	07/16/04	1
Chloromethane	BDL	1.0	ug/l	6210D	07/16/04	1
2-Chlorotoluene	BDL	1.0	ug/l	6210D	07/16/04	1
4-Chlorotoluene	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	2.0	ug/l	6210D	07/16/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	6210D	07/16/04	1
Dibromomethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1-Dichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1-Dichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1-Dichloropropene	BDL	1.0	ug/l	6210D	07/16/04	1
1,3-Dichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
2,2-Dichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
Di-isopropyl ether	BDL	1.0	ug/l	6210D	07/16/04	1
Ethylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Hexachlorobutadiene	BDL	1.0	ug/l	6210D	07/16/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

July 19, 2004

Date Received : July 15, 2004
Description : Nello Teer

ESC Sample # : L161882-02

Sample ID : TQ-S

Site ID :

Collected By : Davis/Dwyer
Collection Date : 07/14/04 09:25

Project # : 0013-94-012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Isopropylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
p-Isopropyltoluene	BDL	1.0	ug/l	6210D	07/16/04	1
2-Butanone (MEK)	BDL	10.	ug/l	6210D	07/16/04	1
Methylene Chloride	BDL	5.0	ug/l	6210D	07/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	6210D	07/16/04	1
Methyl tert-butyl ether	BDL	1.0	ug/l	6210D	07/16/04	1
Naphthalene	BDL	5.0	ug/l	6210D	07/16/04	1
n-Propylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Styrene	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
Tetrachloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
Toluene	BDL	5.0	ug/l	6210D	07/16/04	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
Trichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Vinyl chloride	BDL	1.0	ug/l	6210D	07/16/04	1
o-Xylene	BDL	1.0	ug/l	6210D	07/16/04	1
m&p-Xylenes	BDL	2.0	ug/l	6210D	07/16/04	1
Surrogate Recovery						
Toluene-d8	98.		% Rec.	6210D	07/16/04	1
Dibromofluoromethane	96.		% Rec.	6210D	07/16/04	1
4-Bromofluorobenzene	100		% Rec.	6210D	07/16/04	1

Cb

Cheli Boucher, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

July 19, 2004

Date Received : July 15, 2004
Description : Nello Teer

ESC Sample # : L161882-03

Sample ID : TQ-65 65FT

Site ID :

Collected By : Davis/Dwyer
Collection Date : 07/14/04 09:35

Project # : 0013-94-012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	25.	ug/l	6210D	07/16/04	1
Acrolein	BDL	50.	ug/l	6210D	07/16/04	1
Acrylonitrile	BDL	10.	ug/l	6210D	07/16/04	1
Benzene	BDL	1.0	ug/l	6210D	07/16/04	1
Bromobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Bromodichloromethane	BDL	1.0	ug/l	6210D	07/16/04	1
Bromoform	BDL	1.0	ug/l	6210D	07/16/04	1
Bromomethane	BDL	1.0	ug/l	6210D	07/16/04	1
n-Butylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
sec-Butylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
tert-Butylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Carbon tetrachloride	BDL	1.0	ug/l	6210D	07/16/04	1
Chlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Chlorodibromomethane	BDL	1.0	ug/l	6210D	07/16/04	1
Chloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
Chloroform	BDL	5.0	ug/l	6210D	07/16/04	1
Chloromethane	BDL	1.0	ug/l	6210D	07/16/04	1
2-Chlorotoluene	BDL	1.0	ug/l	6210D	07/16/04	1
4-Chlorotoluene	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dibromo-3-Chloropropane	BDL	2.0	ug/l	6210D	07/16/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	6210D	07/16/04	1
Dibromomethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1-Dichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1-Dichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1-Dichloropropene	BDL	1.0	ug/l	6210D	07/16/04	1
1,3-Dichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
2,2-Dichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
Di-isopropyl ether	BDL	1.0	ug/l	6210D	07/16/04	1
Ethylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Hexachlorobutadiene	BDL	1.0	ug/l	6210D	07/16/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

July 19, 2004

Date Received : July 15, 2004
Description : Nello Teer
Sample ID : TQ-65 65FT
Collected By : Davis/Dwyer
Collection Date : 07/14/04 09:35

ESC Sample # : L161882-03

Site ID :

Project # : 0013-94-012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Isopropylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
p-Isopropyltoluene	BDL	1.0	ug/l	6210D	07/16/04	1
2-Butanone (MEK)	BDL	10.	ug/l	6210D	07/16/04	1
Methylene Chloride	BDL	5.0	ug/l	6210D	07/16/04	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	6210D	07/16/04	1
Methyl tert-butyl ether	BDL	1.0	ug/l	6210D	07/16/04	1
Naphthalene	BDL	5.0	ug/l	6210D	07/16/04	1
n-Propylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Styrene	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
Tetrachloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
Toluene	BDL	5.0	ug/l	6210D	07/16/04	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	6210D	07/16/04	1
Trichloroethene	BDL	1.0	ug/l	6210D	07/16/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	6210D	07/16/04	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	6210D	07/16/04	1
Vinyl chloride	BDL	1.0	ug/l	6210D	07/16/04	1
o-Xylene	BDL	1.0	ug/l	6210D	07/16/04	1
m&p-Xylenes	BDL	2.0	ug/l	6210D	07/16/04	1
Surrogate Recovery						
Toluene-d8	98.		% Rec.	6210D	07/16/04	1
Dibromofluoromethane	96.		% Rec.	6210D	07/16/04	1
4-Bromofluorobenzene	100		% Rec.	6210D	07/16/04	1

Cb

Cheli Boucher, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01

KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L161882-01	Acrolein	J4
	Vinyl chloride	J4
L161882-02	Acrolein	J4
	Vinyl chloride	J4
L161882-03	Acrolein	J4
	Vinyl chloride	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J4	The associated batch QC was outside the established quality control range for accuracy.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

		Control Limits		(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	79-126 83-119
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	81-114 82-116
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	65-129 72-126

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.



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Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report
Level II

L161882

July 19, 2004

Analyte	Result	Units	Date Analyzed	Batch
1,1,1,2-Tetrachloroethane	< .001	mg/l	07/16/04 11:54	WG163758
1,1,1-Trichloroethane	< .001	mg/l	07/16/04 11:54	WG163758
1,1,2,2-Tetrachloroethane	< .001	mg/l	07/16/04 11:54	WG163758
1,1,2-Trichloroethane	< .001	mg/l	07/16/04 11:54	WG163758
1,1-Dichloroethane	< .001	mg/l	07/16/04 11:54	WG163758
1,1-Dichloroethene	< .001	mg/l	07/16/04 11:54	WG163758
1,1-Dichloropropene	< .001	mg/l	07/16/04 11:54	WG163758
1,2,3-Trichlorobenzene	< .001	mg/l	07/16/04 11:54	WG163758
1,2,3-Trichloropropane	< .001	mg/l	07/16/04 11:54	WG163758
1,2,4-Trichlorobenzene	< .001	mg/l	07/16/04 11:54	WG163758
1,2,4-Trimethylbenzene	< .001	mg/l	07/16/04 11:54	WG163758
1,2-Dibromo-3-Chloropropane	< .002	mg/l	07/16/04 11:54	WG163758
1,2-Dibromoethane	< .001	mg/l	07/16/04 11:54	WG163758
1,2-Dichlorobenzene	< .001	mg/l	07/16/04 11:54	WG163758
1,2-Dichloroethane	< .001	mg/l	07/16/04 11:54	WG163758
1,2-Dichloropropane	< .001	mg/l	07/16/04 11:54	WG163758
1,3,5-Trimethylbenzene	< .001	mg/l	07/16/04 11:54	WG163758
1,3-Dichlorobenzene	< .001	mg/l	07/16/04 11:54	WG163758
1,3-Dichloropropane	< .001	mg/l	07/16/04 11:54	WG163758
1,4-Dichlorobenzene	< .001	mg/l	07/16/04 11:54	WG163758
2,2-Dichloropropane	< .001	mg/l	07/16/04 11:54	WG163758
2-Butanone (MEK)	< .01	mg/l	07/16/04 11:54	WG163758
2-Chlorotoluene	< .001	mg/l	07/16/04 11:54	WG163758
4-Chlorotoluene	< .001	mg/l	07/16/04 11:54	WG163758
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	07/16/04 11:54	WG163758
Acetone	< .025	mg/l	07/16/04 11:54	WG163758
Acrolein	< .001	mg/l	07/16/04 11:54	WG163758
Acrylonitrile	< .01	mg/l	07/16/04 11:54	WG163758
Benzene	< .001	mg/l	07/16/04 11:54	WG163758
Bromobenzene	< .001	mg/l	07/16/04 11:54	WG163758
Bromodichloromethane	< .001	mg/l	07/16/04 11:54	WG163758
Bromoform	< .001	mg/l	07/16/04 11:54	WG163758
Bromomethane	< .001	mg/l	07/16/04 11:54	WG163758
Carbon tetrachloride	< .001	mg/l	07/16/04 11:54	WG163758
Chlorobenzene	< .001	mg/l	07/16/04 11:54	WG163758
Chlorodibromomethane	< .001	mg/l	07/16/04 11:54	WG163758
Chloroethane	< .001	mg/l	07/16/04 11:54	WG163758
Chloroform	< .005	mg/l	07/16/04 11:54	WG163758
Chloromethane	< .001	mg/l	07/16/04 11:54	WG163758
cis-1,2-Dichloroethene	< .001	mg/l	07/16/04 11:54	WG163758
Di-isopropyl ether	< .001	mg/l	07/16/04 11:54	WG163758
Dibromomethane	< .001	mg/l	07/16/04 11:54	WG163758
Dichlorodifluoromethane	< .001	mg/l	07/16/04 11:54	WG163758
Ethylbenzene	< .001	mg/l	07/16/04 11:54	WG163758
Hexachlorobutadiene	< .001	mg/l	07/16/04 11:54	WG163758
Isopropylbenzene	< .001	mg/l	07/16/04 11:54	WG163758
m&p-Xylenes	< .002	mg/l	07/16/04 11:54	WG163758
Methyl tert-butyl ether	< .001	mg/l	07/16/04 11:54	WG163758
Methylene Chloride	< .005	mg/l	07/16/04 11:54	WG163758
n-Butylbenzene	< .001	mg/l	07/16/04 11:54	WG163758
n-Propylbenzene	< .001	mg/l	07/16/04 11:54	WG163758
Naphthalene	< .005	mg/l	07/16/04 11:54	WG163758
o-Xylene	< .001	mg/l	07/16/04 11:54	WG163758
p-Isopropyltoluene	< .001	mg/l	07/16/04 11:54	WG163758
sec-Butylbenzene	< .001	mg/l	07/16/04 11:54	WG163758
Styrene	< .001	mg/l	07/16/04 11:54	WG163758
tert-Butylbenzene	< .001	mg/l	07/16/04 11:54	WG163758
Tetrachloroethane	< .001	mg/l	07/16/04 11:54	WG163758
Toluene	< .005	mg/l	07/16/04 11:54	WG163758
trans-1,2-Dichloroethene	< .001	mg/l	07/16/04 11:54	WG163758



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Mr. Tom Davis
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Raleigh, NC 27607

**Quality Assurance Report
Level II**

Tax I.D. 62-0814289
Est. 1970

L161882

July 19, 2004

Trichloroethene < .001 mg/l 07/16/04 11:54 WG163758

Analyte	Result	Units	Date Analyzed	Batch
Trichlorofluoromethane	< .001	mg/l	07/16/04 11:54	WG163758
Vinyl chloride	< .001	mg/l	07/16/04 11:54	WG163758

Analyte	Units	Known Val	Sample Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	.02	0.0210	105.	84-128	WG163758
1,1,1-Trichloroethane	mg/l	.02	0.0190	94.9	71-122	WG163758
1,1,2,2-Tetrachloroethane	mg/l	.02	0.0201	101.	78-120	WG163758
1,1,2-Trichloroethane	mg/l	.02	0.0195	97.7	82-117	WG163758
1,1-Dichloroethane	mg/l	.02	0.0191	95.3	59-135	WG163758
1,1-Dichloroethene	mg/l	.02	0.0219	109.	60-166	WG163758
1,1-Dichloropropene	mg/l	.02	0.0200	99.9	67-132	WG163758
1,2,3-Trichlorobenzene	mg/l	.02	0.0218	109.	81-122	WG163758
1,2,3-Trichloropropane	mg/l	.02	0.0194	97.2	78-122	WG163758
1,2,4-Trichlorobenzene	mg/l	.05	0.0232	46.3	78-132	WG163758
1,2,4-Trimethylbenzene	mg/l	.02	0.0208	104.	82-117	WG163758
1,2-Dibromo-3-Chloropropane	mg/l	.02	0.0192	96.0	58-140	WG163758
1,2-Dibromoethane	mg/l	.02	0.0202	101.	79-121	WG163758
1,2-Dichlorobenzene	mg/l	.05	0.0198	39.7	83-113	WG163758
1,2-Dichloroethane	mg/l	.02	0.0178	89.2	81-122	WG163758
1,2-Dichloropropane	mg/l	.02	0.0189	94.4	74-125	WG163758
1,3,5-Trimethylbenzene	mg/l	.02	0.0211	106.	80-118	WG163758
1,3-Dichlorobenzene	mg/l	.05	0.0216	43.2	80-124	WG163758
1,3-Dichloropropane	mg/l	.02	0.0191	95.4	86-120	WG163758
1,4-Dichlorobenzene	mg/l	.05	0.0207	41.3	84-115	WG163758
2,2-Dichloropropane	mg/l	.02	0.0200	100.	71-131	WG163758
2-Butanone (MEK)	mg/l	1	0.0954	95.4	25-137	WG163758
2-Chlorotoluene	mg/l	.02	0.0209	105.	79-112	WG163758
4-Chlorotoluene	mg/l	.02	0.0213	107.	82-116	WG163758
4-Methyl-2-pentanone (MIBK)	mg/l	1	0.0883	88.3	57-145	WG163758
Acetone	mg/l	1	0.0904	90.4	14-115	WG163758
Acrolein	mg/l	1	1.52	152.	16-83	WG163758
Acrylonitrile	mg/l	1	0.0858	85.8	32-142	WG163758
Benzene	mg/l	.02	0.0194	96.9	66-127	WG163758
Bromobenzene	mg/l	.02	0.0205	102.	79-127	WG163758
Bromodichloromethane	mg/l	.02	0.0197	98.3	76-117	WG163758
Bromoform	mg/l	.02	0.0215	108.	72-125	WG163758
Bromomethane	mg/l	.02	0.0211	106.	25-170	WG163758
Carbon tetrachloride	mg/l	.02	0.0213	106.	65-127	WG163758
Chlorobenzene	mg/l	.02	0.0212	106.	79-117	WG163758
Chlorodibromomethane	mg/l	.02	0.0204	102.	76-115	WG163758
Chloroethane	mg/l	.02	0.0209	104.	37-130	WG163758
Chloroform	mg/l	.02	0.0181	90.6	70-119	WG163758
Chloromethane	mg/l	.02	0.0203	102.	39-109	WG163758
cis-1,2-Dichloroethene	mg/l	.02	0.0196	98.1	72-128	WG163758
Di-isopropyl ether	mg/l	.02	0.0174	87.2	54-147	WG163758
Dibromomethane	mg/l	.02	0.0192	95.9	81-117	WG163758
Dichlorodifluoromethane	mg/l	.02	0.0214	122.	14-133	WG163758
Ethylbenzene	mg/l	.02	0.0208	104.	75-117	WG163758
Hexachlorobutadiene	mg/l	.02	0.0188	94.0	68-122	WG163758
Isopropylbenzene	mg/l	.02	0.0219	110.	67-113	WG163758
m&p-Xylenes	mg/l	.04	0.0428	107.	76-126	WG163758
Methyl tert-butyl ether	mg/l	.02	0.0201	100.	57-149	WG163758
Methylene chloride	mg/l	.02	0.0194	97.0	60-127	WG163758
n-Butylbenzene	mg/l	.02	0.0209	105.	74-125	WG163758
n-Propylbenzene	mg/l	.02	0.0215	108.	74-120	WG163758
Nonhalane	mg/l	.05	0.0207	41.5	51-127	WG163758
o-Xylene	mg/l	.02	0.0213	107.	73-123	WG163758



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**Quality Assurance Report
Level II**

L161882

July 19, 2004

Tax I.D. 62-0814289
Est. 1970

Analyte	Units	Known Val	Sample Result	% Rec	Limit	Batch
p-Isopropyltoluene	mg/l	.02	0.0219	109.	74-122	WG163758
sec-Butylbenzene	mg/l	.02	0.0210	105.	66-118	WG163758
Styrene	mg/l	.02	0.0202	101.	78-114	WG163758
tert-Butylbenzene	mg/l	.02	0.0209	105.	69-121	WG163758
Tetrachloroethene	mg/l	.02	0.0219	110.	71-132	WG163758
Toluene	mg/l	.02	0.0192	96.1	68-122	WG163758
trans-1,2-Dichloroethene	mg/l	.02	0.0219	110.	65-141	WG163758
Trichloroethene	mg/l	.02	0.0202	101.	81-129	WG163758
Trichlorofluoromethane	mg/l	.02	0.0179	89.4	46-94	WG163758
Vinyl chloride	mg/l	.02	0.0192	96.2	40-95	WG163758

Analyte	Units	Laboratory Control Sample Duplicate			Limit	Ref Samp	Batch
		LCSD	Res	Ref Res			
1,1,1,2-Tetrachloroethane	mg/l	0.0217	0.0210	3.51	16	R201872-2	WG163758
1,1,1-Trichloroethane	mg/l	0.0196	0.0190	3.32	28	R201872-2	WG163758
1,1,2,2-Tetrachloroethane	mg/l	0.0204	0.0201	1.53	10	R201872-2	WG163758
1,1,2-Trichloroethane	mg/l	0.0202	0.0195	3.47	16	R201872-2	WG163758
1,1-Dichloroethane	mg/l	0.0198	0.0191	3.66	17	R201872-2	WG163758
1,1-Dichloroethene	mg/l	0.0224	0.0219	2.26	36	R201872-2	WG163758
1,1-Dichloropropene	mg/l	0.0206	0.0200	3.30	33	R201872-2	WG163758
1,2-Trichlorobenzene	mg/l	0.0226	0.0218	3.87	17	R201872-2	WG163758
1,2-Trichloropropane	mg/l	0.0208	0.0194	6.95	13	R201872-2	WG163758
1,2,4-Trichlorobenzene	mg/l	0.0243	0.0232	4.68	25	R201872-2	WG163758
1,2,4-Trimethylbenzene	mg/l	0.0211	0.0208	1.77	29	R201872-2	WG163758
1,2-Dibromo-3-Chloropropane	mg/l	0.0201	0.0192	4.33	21	R201872-2	WG163758
1,2-Dibromoethane	mg/l	0.0206	0.0202	1.91	19	R201872-2	WG163758
1,2-Dichlorobenzene	mg/l	0.0206	0.0198	3.95	16	R201872-2	WG163758
1,2-Dichloroethane	mg/l	0.0189	0.0178	5.61	13	R201872-2	WG163758
1,2-Dichloropropane	mg/l	0.0191	0.0189	1.05	14	R201872-2	WG163758
1,3,5-Trimethylbenzene	mg/l	0.0219	0.0211	3.53	28	R201872-2	WG163758
1,3-Dichlorobenzene	mg/l	0.0216	0.0216	0.185	25	R201872-2	WG163758
1,3-Dichloropropane	mg/l	0.0201	0.0191	5.26	15	R201872-2	WG163758
1,4-Dichlorobenzene	mg/l	0.0210	0.0207	1.63	18	R201872-2	WG163758
2,2-Dichloropropane	mg/l	0.0200	0.0200	0.200	31	R201872-2	WG163758
2-Butanone (MEK)	mg/l	0.104	0.0954	8.64	10	R201872-2	WG163758
2-Chlorotoluene	mg/l	0.0214	0.0209	2.27	24	R201872-2	WG163758
4-Chlorotoluene	mg/l	0.0216	0.0213	1.44	22	R201872-2	WG163758
4-Methyl-2-pentanone (MIBK)	mg/l	0.0970	0.0883	9.41	12	R201872-2	WG163758
Acetone	mg/l	0.102	0.0904	11.7	20	R201872-2	WG163758
Acrolein	mg/l	1.52	1.52	0.329	34	R201872-2	WG163758
Acrylonitrile	mg/l	0.0944	0.0858	9.48	13	R201872-2	WG163758
Benzene	mg/l	0.0201	0.0194	3.50	20	R201872-2	WG163758
Bromobenzene	mg/l	0.0211	0.0205	3.03	22	R201872-2	WG163758
Bromodichloromethane	mg/l	0.0208	0.0197	5.59	13	R201872-2	WG163758
Bromoform	mg/l	0.0219	0.0215	1.84	18	R201872-2	WG163758
Bromomethane	mg/l	0.0203	0.0211	3.96	20	R201872-2	WG163758
Carbon tetrachloride	mg/l	0.0219	0.0213	2.74	36	R201872-2	WG163758
Chlorobenzene	mg/l	0.0219	0.0212	2.97	21	R201872-2	WG163758
Chlorodibromomethane	mg/l	0.0211	0.0204	3.43	17	R201872-2	WG163758
Chloroethane	mg/l	0.0210	0.0209	0.430	25	R201872-2	WG163758
Chloroform	mg/l	0.0190	0.0181	4.90	26	R201872-2	WG163758
Chloromethane	mg/l	0.0213	0.0203	4.52	31	R201872-2	WG163758
cis-1,2-Dichloroethene	mg/l	0.0208	0.0196	6.03	18	R201872-2	WG163758
Di-isopropyl ether	mg/l	0.0187	0.0174	7.13	48	R201872-2	WG163758
Dibromomethane	mg/l	0.0201	0.0192	4.64	12	R201872-2	WG163758
Dichlorodifluoromethane	mg/l	0.0249	0.0244	2.11	28	R201872-2	WG163758
Ethylbenzene	mg/l	0.0219	0.0208	4.92	25	R201872-2	WG163758
Hexachlorobutadiene	mg/l	0.0203	0.0188	7.73	36	R201872-2	WG163758
Isopropylbenzene	mg/l	0.0225	0.0219	2.48	29	R201872-2	WG163758



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Level II**

L161882

July 19, 2004

m&p-Xylenes mg/l 0.0446 0.0428 4.30 22 R201872-2 WG163758

Analyte	Units	Laboratory Control		Sample Duplicate		RPD	Limit	Ref Samp	Batch
		LCSD Res	Ref Res	Ref Res	Res				
Methyl tert-butyl ether	mg/l	0.0202	0.0201	0.695	34			R201872-2	WG163758
Methylene Chloride	mg/l	0.0200	0.0194	3.15	16			R201872-2	WG163758
n-Butylbenzene	mg/l	0.0220	0.0209	4.71	30			R201872-2	WG163758
n-Propylbenzene	mg/l	0.0219	0.0215	1.98	30			R201872-2	WG163758
Naphthalene	mg/l	0.0220	0.0207	5.76	39			R201872-2	WG163758
o-Xylene	mg/l	0.0225	0.0213	5.21	20			R201872-2	WG163758
p-Isopropyltoluene	mg/l	0.0225	0.0219	2.88	36			R201872-2	WG163758
sec-Butylbenzene	mg/l	0.0216	0.0210	2.92	32			R201872-2	WG163758
Styrene	mg/l	0.0212	0.0202	4.59	21			R201872-2	WG163758
tert-Butylbenzene	mg/l	0.0215	0.0209	2.45	30			R201872-2	WG163758
Tetrachloroethene	mg/l	0.0222	0.0219	1.31	32			R201872-2	WG163758
Toluene	mg/l	0.0202	0.0192	5.07	17			R201872-2	WG163758
trans-1,2-Dichloroethene	mg/l	0.0229	0.0219	4.37	27			R201872-2	WG163758
Trichloroethene	mg/l	0.0203	0.0202	0.445	25			R201872-2	WG163758
Trichlorofluoromethane	mg/l	0.0185	0.0179	3.52	41			R201872-2	WG163758
Vinyl chloride	mg/l	0.0198	0.0192	3.02	36			R201872-2	WG163758

Analyte	Units	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res					
1,1,2,2-Tetrachloroethane	mg/l	0.0202	0.00	0.02	101	67-139	L161739-03	WG163758
1,1,1-Trichloroethane	mg/l	0.0197	0.00	0.02	98.4	46-143	L161739-03	WG163758
1,1,1,2-Tetrachloroethane	mg/l	0.0213	0.00	0.02	106	70-116	L161739-03	WG163758
1,1,2-Trichloroethane	mg/l	0.0202	0.00	0.02	101	70-122	L161739-03	WG163758
1,1-Dichloroethane	mg/l	0.0206	0.00	0.02	103	47-138	L161739-03	WG163758
1,1-Dichloroethene	mg/l	0.0215	0.00	0.02	107	56-162	L161739-03	WG163758
1,1-Dichloropropene	mg/l	0.0199	0.00	0.02	99.7	49-140	L161739-03	WG163758
1,2,3-Trichlorobenzene	mg/l	0.0202	0.00	0.02	101	63-124	L161739-03	WG163758
1,2,3-Trichloropropane	mg/l	0.0201	0.00	0.02	100	66-124	L161739-03	WG163758
1,2,4-Trichlorobenzene	mg/l	0.0196	0.00	0.02	97.9	52-130	L161739-03	WG163758
1,2,4-Trimethylbenzene	mg/l	0.0199	0.00	0.02	99.4	62-126	L161739-03	WG163758
1,2-Dibromo-3-Chloropropane	mg/l	0.0176	0.00	0.02	88.0	48-122	L161739-03	WG163758
1,2-Dibromoethane	mg/l	0.0205	0.00	0.02	102	74-121	L161739-03	WG163758
1,2-Dichlorobenzene	mg/l	0.0189	0.00	0.02	94.6	65-119	L161739-03	WG163758
1,2-Dichloroethane	mg/l	0.0220	0.00	0.02	110	48-148	L161739-03	WG163758
1,2-Dichloropropane	mg/l	0.0199	0.00	0.02	99.7	66-122	L161739-03	WG163758
1,3,5-Trimethylbenzene	mg/l	0.0204	0.00	0.02	102	60-127	L161739-03	WG163758
1,3-Dichlorobenzene	mg/l	0.0195	0.00	0.02	97.4	62-122	L161739-03	WG163758
1,3-Dichloropropane	mg/l	0.0203	0.00	0.02	102	77-121	L161739-03	WG163758
1,4-Dichlorobenzene	mg/l	0.0191	0.00	0.02	95.4	60-123	L161739-03	WG163758
2,2-Dichloropropane	mg/l	0.0181	0.00	0.02	90.5	40-148	L161739-03	WG163758
2-Butanone (MEK)	mg/l	0.0916	0.00	0.1	91.6	26-114	L161739-03	WG163758
2-Chlorotoluene	mg/l	0.0197	0.00	0.02	98.3	62-120	L161739-03	WG163758
4-Chlorotoluene	mg/l	0.0200	0.00	0.02	100	63-123	L161739-03	WG163758
4-Methyl-2-pentanone (MIBK)	mg/l	0.0945	0.00	0.1	94.5	56-133	L161739-03	WG163758
Acetone	mg/l	0.102	0.00	0.1	102	13-145	L161739-03	WG163758
Acrolein	mg/l	1.35	0.00	1	135	14-90	L161739-03	WG163758
Acrylonitrile	mg/l	0.0907	0.00	0.1	90.7	33-128	L161739-03	WG163758
Benzene	mg/l	0.0243	0.0036	0.02	104	66-127	L161739-03	WG163758
Bromobenzene	mg/l	0.0203	0.00	0.02	101	67-134	L161739-03	WG163758
Bromodichloromethane	mg/l	0.0212	0.00	0.02	106	57-126	L161739-03	WG163758
Bromoform	mg/l	0.0203	0.00	0.02	102	52-130	L161739-03	WG163758
Bromomethane	mg/l	0.0189	0.00	0.02	94.6	17-150	L161739-03	WG163758
Carbon tetrachloride	mg/l	0.0213	0.00	0.02	106	42-141	L161739-03	WG163758
Chlorobenzene	mg/l	0.0190	0.00	0.02	94.9	66-125	L161739-03	WG163758
Chlorodibromomethane	mg/l	0.0200	0.00	0.02	99.9	58-123	L161739-03	WG163758
Chloroethane	mg/l	0.0230	0.00	0.02	115	29-131	L161739-03	WG163758
Chloroform	mg/l	0.0200	0.00	0.02	100	46-136	L161739-03	WG163758
Chloromethane	mg/l	0.0231	0.00	0.02	115	26-120	L161739-03	WG163758



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cis-1,2-Dichloroethene mg/l 0.0217 0.0014 0.02 101 59-133 L161739-03 WG163758

Analyte	Units	MS Res	Ref Res	TV	% Rec Limit	Ref Samp	Batch
Di-isopropyl ether	mg/l	0.0205	0.00	0.02	103 41-135	L161739-03	WG163758
Dibromomethane	mg/l	0.0214	0.00	0.02	107. 64-119	L161739-03	WG163758
Dichlorodifluoromethane	mg/l	0.0249	0.00	0.02	125. 13-113	L161739-03	WG163758
Ethylbenzene	mg/l	0.0207	0.0021	0.02	93.2 61-123	L161739-03	WG163758
Hexachlorobutadiene	mg/l	0.0161	0.00	0.02	80.6 39-138	L161739-03	WG163758
Isopropylbenzene	mg/l	0.0199	0.00	0.02	99.4 56-120	L161739-03	WG163758
m,p-Xylenes	mg/l	0.0664	0.0284	0.04	95.1 71-127	L161739-03	WG163758
Methyl tert-butyl ether	mg/l	0.0216	0.00	0.02	108. 56-144	L161739-03	WG163758
Methylene Chloride	mg/l	0.0201	0.00	0.02	101. 55-123	L161739-03	WG163758
n-Butylbenzene	mg/l	0.0185	0.00	0.02	92.5 43-139	L161739-03	WG163758
n-Propylbenzene	mg/l	0.0195	0.00	0.02	97.6 57-127	L161739-03	WG163758
Naphthalene	mg/l	0.0196	0.00	0.02	98.1 39-122	L161739-03	WG163758
o-Xylene	mg/l	0.0255	0.0056	0.02	99.3 70-126	L161739-03	WG163758
p-Isopropyltoluene	mg/l	0.0192	0.00	0.02	96.2 58-127	L161739-03	WG163758
sec-Butylbenzene	mg/l	0.0190	0.00	0.02	95.0 55-124	L161739-03	WG163758
Styrene	mg/l	0.0188	0.00	0.02	93.9 61-119	L161739-03	WG163758
tert-Butylbenzene	mg/l	0.0191	0.00	0.02	95.4 58-129	L161739-03	WG163758
Tetrachloroethene	mg/l	0.0214	0.0041	0.02	86.6 49-144	L161739-03	WG163758
Toluene	mg/l	0.0500	0.0320	0.02	90.2 59-123	L161739-03	WG163758
trans-1,2-Dichloroethene	mg/l	0.0220	0.00	0.02	110. 53-145	L161739-03	WG163758
Trichloroethene	mg/l	0.0190	0.00	0.02	95.2 61-141	L161739-03	WG163758
Trichlorofluoromethane	mg/l	0.0194	0.00	0.02	97.0 24-113	L161739-03	WG163758
Vinyl chloride	mg/l	0.0205	0.00	0.02	103. 26-110	L161739-03	WG163758

Analyte	Units	MSD Res	Ref Res	RPD	Limit %Rec	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0197	0.0202	2.86	16 98.3	L161739-03	WG163758
1,1,1-Trichloroethane	mg/l	0.0191	0.0197	2.99	28 95.5	L161739-03	WG163758
1,1,2,2-Tetrachloroethane	mg/l	0.0185	0.0213	13.8	10 92.6	L161739-03	WG163758
1,1,2-Trichloroethane	mg/l	0.0192	0.0202	5.28	16 95.9	L161739-03	WG163758
1,1-Dichloroethane	mg/l	0.0207	0.0206	0.533	17 103.	L161739-03	WG163758
1,1-Dichloroethene	mg/l	0.0214	0.0215	0.187	36 107.	L161739-03	WG163758
1,1-Dichloropropane	mg/l	0.0198	0.0199	0.957	33 98.8	L161739-03	WG163758
1,2,3-Trichlorobenzene	mg/l	0.0204	0.0202	0.641	17 102.	L161739-03	WG163758
1,2,3-Trichloropropane	mg/l	0.0172	0.0201	15.7	13 85.8	L161739-03	WG163758
1,2,4-Trichlorobenzene	mg/l	0.0205	0.0196	4.74	25 103.	L161739-03	WG163758
1,2,4-Trimethylbenzene	mg/l	0.0193	0.0199	2.96	29 96.5	L161739-03	WG163758
1,2-Dibromo-3-Chloropropane	mg/l	0.0148	0.0176	17.1	21 74.2	L161739-03	WG163758
1,2-Dibromoethane	mg/l	0.0189	0.0205	8.14	19 94.3	L161739-03	WG163758
1,2-Dichlorobenzene	mg/l	0.0194	0.0189	2.35	16 96.9	L161739-03	WG163758
1,2-Dichloroethane	mg/l	0.0215	0.0220	2.62	13 107.	L161739-03	WG163758
1,2-Dichloropropane	mg/l	0.0203	0.0199	1.59	14 101.	L161739-03	WG163758
1,3,5-Trimethylbenzene	mg/l	0.0195	0.0204	4.31	28 97.7	L161739-03	WG163758
1,3-Dichlorobenzene	mg/l	0.0187	0.0195	4.30	25 93.3	L161739-03	WG163758
1,3-Dichloropropane	mg/l	0.0193	0.0203	5.51	15 96.3	L161739-03	WG163758
1,4-Dichlorobenzene	mg/l	0.0192	0.0191	0.627	18 96.0	L161739-03	WG163758
2,2-Dichloropropane	mg/l	0.0178	0.0181	1.50	31 89.2	L161739-03	WG163758
2-Butanone (MEK)	mg/l	0.0718	0.0916	24.2	10 71.8	L161739-03	WG163758
2-Chlorotoluene	mg/l	0.0191	0.0197	2.99	24 95.4	L161739-03	WG163758
4-Chlorotoluene	mg/l	0.0194	0.0200	3.20	22 97.0	L161739-03	WG163758
4-Methyl-2-pentanone (MIBK)	mg/l	0.0799	0.0945	16.7	12 79.9	L161739-03	WG163758
Acetone	mg/l	0.0824	0.102	21.6	23 82.4	L161739-03	WG163758
Acrolein	mg/l	1.12	1.35	18.9	34 112.	L161739-03	WG163758
Acrylonitrile	mg/l	0.0785	0.0907	14.4	13 78.5	L161739-03	WG163758
Benzene	mg/l	0.0252	0.0243	3.63	20 108.	L161739-03	WG163758
Bromobenzene	mg/l	0.0199	0.0203	1.74	22 99.6	L161739-03	WG163758
Bromodichloromethane	mg/l	0.0214	0.0212	0.658	13 107.	L161739-03	WG163758
Bromoform	mg/l	0.0191	0.0203	6.55	18 95.3	L161739-03	WG163758



**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

**Quality Assurance Report
Level II**

L161882

July 19, 2004

Bromomethane mg/l 0.0212 0.0189 11.4 20 106. L161739-03 WG163758

Analyte	Units	Matrix Spike Duplicate		RPD	Limit	%Rec	Ref Samp	Batch
		MSD Res	Ref Res					
Carbon tetrachloride	mg/l	0.0209	0.0213	1.61	36	105	L161739-03	WG163758
Chlorobenzene	mg/l	0.0195	0.0190	2.86	21	97.6	L161739-03	WG163758
Chlorodibromomethane	mg/l	0.0194	0.0200	2.95	17	97.0	L161739-03	WG163758
Chloroethane	mg/l	0.0225	0.0230	2.46	25	112	L161739-03	WG163758
Chloroform	mg/l	0.0197	0.0200	1.51	26	98.5	L161739-03	WG163758
Chloromethane	mg/l	0.0218	0.0231	5.80	31	109	L161739-03	WG163758
Cis-1,2-Dichloroethene	mg/l	0.0224	0.0217	3.36	18	105	L161739-03	WG163758
Di-isopropyl ether	mg/l	0.0205	0.0205	0.244	48	102	L161739-03	WG163758
Dibromomethane	mg/l	0.0209	0.0214	2.60	12	104	L161739-03	WG163758
Dichlorodifluoromethane	mg/l	0.0238	0.0249	4.56	28	119	L161739-03	WG163758
Ethylbenzene	mg/l	0.0215	0.0207	3.37	25	96.8	L161739-03	WG163758
Hexachlorobutadiene	mg/l	0.0166	0.0161	3.18	36	83.2	L161739-03	WG163758
Isopropylbenzene	mg/l	0.0198	0.0199	0.454	29	98.9	L161739-03	WG163758
m&p-Xylenes	mg/l	0.0749	0.0664	12.0	22	116	L161739-03	WG163758
Methyl tert-butyl ether	mg/l	0.0205	0.0216	5.32	16	102	L161739-03	WG163758
Methylene Chloride	mg/l	0.0203	0.0201	0.891	16	101	L161739-03	WG163758
n-Butylbenzene	mg/l	0.0186	0.0185	0.432	30	92.9	L161739-03	WG163758
n-Propylbenzene	mg/l	0.0191	0.0195	2.33	30	95.4	L161739-03	WG163758
Naphthalene	mg/l	0.0184	0.0196	6.58	39	91.8	L161739-03	WG163758
o-Xylene	mg/l	0.0274	0.0255	7.21	20	109	L161739-03	WG163758
p-Propyltoluene	mg/l	0.0183	0.0192	5.01	36	91.5	L161739-03	WG163758
sec-Butylbenzene	mg/l	0.0182	0.0190	4.41	32	90.9	L161739-03	WG163758
Styrene	mg/l	0.0179	0.0188	4.58	21	89.7	L161739-03	WG163758
tert-Butylbenzene	mg/l	0.0184	0.0191	3.85	30	91.8	L161739-03	WG163758
Tetrachloroethene	mg/l	0.0224	0.0214	4.65	32	91.7	L161739-03	WG163758
Toluene	mg/l	0.0596	0.0500	17.4	17	138	L161739-03	WG163758
trans-1,2-Dichloroethene	mg/l	0.0219	0.0220	0.456	27	109	L161739-03	WG163758
Trichloroethene	mg/l	0.0189	0.0190	0.474	25	94.7	L161739-03	WG163758
Trichlorofluoromethane	mg/l	0.0183	0.0194	5.89	41	91.5	L161739-03	WG163758
Vinyl chloride	mg/l	0.0196	0.0205	4.38	36	98.2	L161739-03	WG163758

Batch number /Run number / Sample number cross reference

WG163758: R201872: L161882-01 02 03

See Attachment B of standard report for list of qualifiers.
* Calculations are performed prior to rounding of reported values .



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Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.

Mr. Tom Davis

6001 Chapel Hill Road, Suite 108

Raleigh, NC 27607

Quality Assurance Report
Level II

L161882

July 19, 2004

ESC Level 2 Data Package

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Appendix D
Hydrogen Sampling Chain of Custody
and Analytical Results



Client Name: Quantum Environmental
Contact: Tom Davis
Address: 6001 Chapel Hill Road
Suite 108
Raleigh, NC 27607

Page 1 of 3
Order #: P0405021
Report Date: 05/14/04
Client Proj Name: 0013-94-012
Client Proj #: Teer

Laboratory Results

Total pages in data package: 4

<u>Lab Sample #</u>	<u>Client Sample ID</u>
P0405021-01	MW-18
P0405021-02	MW-29

Microseeps test results meet all the requirements of the NELAP standards.

Approved By: *Robert Hall*

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

NOTES: Samples were received 4/29/04 but were not logged in until 5/3/04 because client was not in the LIMS. (waited for client credit application)

Order #: P0405021
Report Date: 05/14/04
Client Proj Name: 0013-94-012
Client Proj #: Teer

Client Name: Quantum Environmental
Contact: Tom Davis
Address: 6001 Chapel Hill Road
Suite 108
Raleigh, NC 27607

Lab Sample #: P0405021-01

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>			
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
MW-18	Vapor		28 Apr. 04 9:54			03 May. 04
<u>RiskAnalysis</u>						
Hydrogen	2.2	0.03	nM	AM20GAX	bc	5/13/04

Order #: P0405021
Report Date: 05/14/04
Client Proj Name: 0013-94-012
Client Proj #: Teer

Client Name: Quantum Environmental
Contact: Tom Davis
Address: 6001 Chapel Hill Road
Suite 108
Raleigh, NC 27607
Lab Sample #: P0405021-02

<u>Sample Description</u>	<u>Matrix</u>	<u>Sampled Date/Time</u>	<u>Received</u>			
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analyst</u>	<u>Analysis Date</u>
MW-29	Vapor		28 Apr. 04 12:45			03 May. 04
<u>RiskAnalysis</u>						
Hydrogen	2.7	0.03	nM	AM20GAX	bc	5/13/04

Appendix E
BIOCHLOR 2.2 Modeling Output

- Start Here →
- PCE
 - TCE
 - DCE
 - VC
 - ETH

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

Transverse
Distance (ft)

	Distance from Source (ft)											
↓	0	41	83	124	165	206	248	289	330	371	413	
270	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.063	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-270	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Show No Degradation

Show Biotransformation

MASS RATE
(mg/day)

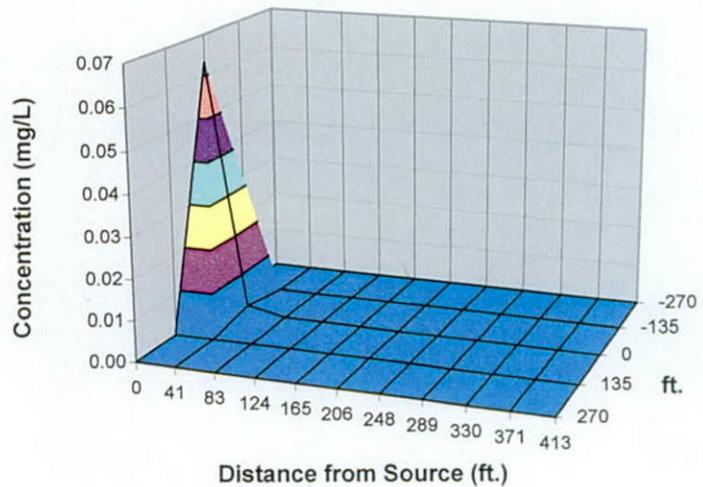
1.2E+0	1.4E-1	2.9E-4	1.6E-8	9.8E-15	1.6E-22	0.0E+0						
--------	--------	--------	--------	---------	---------	--------	--------	--------	--------	--------	--------	--------

Displayed Compound

Time: yr

Target Level: mg/L

Displayed Model:



Plume Mass (Order-of-Magnitude Accuracy)

Plume Mass If No Degradation (Kg)

- Plume Mass If Biotransformation/Production (Kg)

Mass Removed (Kg)

If "Can't Calc.", make model area longer

% Biotransformed =

% Change in Mass Rate = (source to edge)

Current Volume of Ground Water in Plume MGal

Flow Rate of Water Through Source Area MGD

Compare to Pump and Treat

Pumping Rate (gpm)

Pore Volumes Removed Per Yr.

Pore Volumes to Clean-Up

Clean-Up Time (yr)

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

- Start Here →
- PCE
 - TCE
 - DCE
 - VC
 - ETH

Transverse
Distance (ft)

Distance from Source (ft)

Distance (ft)	0	41	83	124	165	206	248	289	330	371	413
270	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-270	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MASS RATE (mg/day)	1.9E-1	1.2E-2	2.2E-5	8.7E-10	7.3E-16	9.4E-24	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0

Show No Degradation

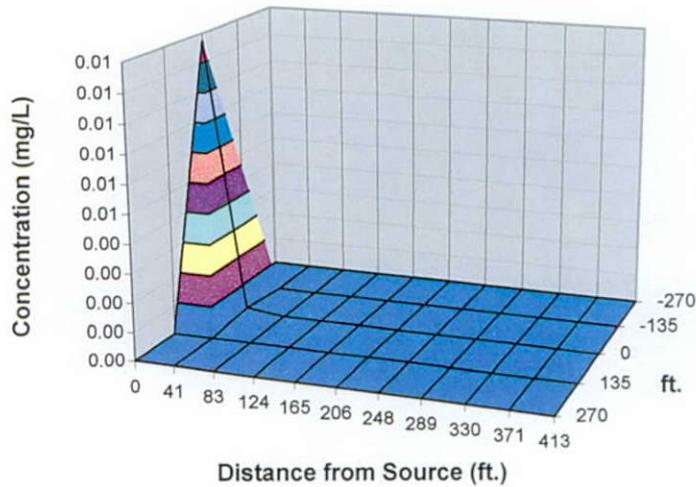
Show Biotransformation

Displayed Compound

Time: yr

Target Level: mg/L

Displayed Model:



Plot All Data

Plot Data > Target

Plume Mass (Order-of-Magnitude Accuracy)

See Gallons

Plume Mass If No Degradation (Kg)

- Plume Mass If Biotransformation/Production (Kg)

Mass Removed (Kg)

If "Can't Calc." make model area longer

% Biotransformed =

% Change in Mass Rate = (source to edge)

See acre-ft

Current Volume of Ground Water in Plume MGal

Flow Rate of Water Through Source Area MGD

Compare to Pump and Treat

Pumping Rate (gpm)

Pore Volumes Removed Per Yr.

Pore Volumes to Clean-Up

Clean-Up Time (yr)

Mass HELP

To Centerline

Return to Input

DISSOLVED SOLVENT CONCENTRATIONS IN PLUME

- Start Here →
- PCE
 - TCE
 - DCE
 - VC
 - ETH

Transverse
Distance (ft)

Distance from Source (ft)

	0	41	83	124	165	206	248	289	330	371	413
270	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-270	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

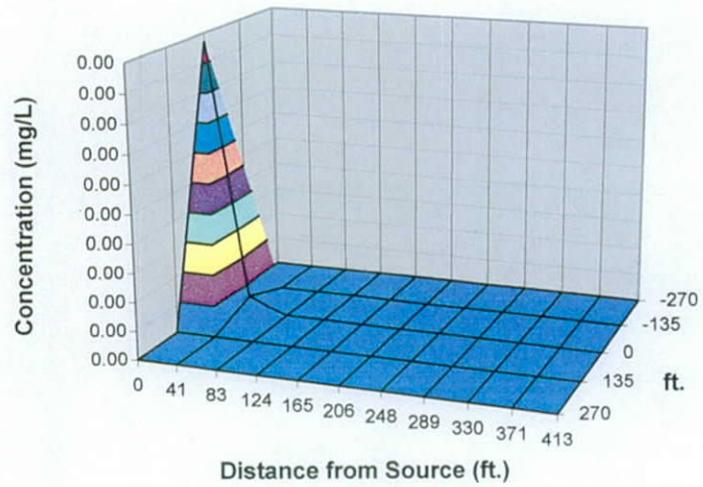
MASS RATE (mg/day)	3.7E-2	7.8E-3	1.9E-5	1.1E-9	6.6E-16	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0
--------------------	--------	--------	--------	--------	---------	--------	--------	--------	--------	--------	--------

-
-

Displayed Compound: **TCE**

Time: yr Target Level: mg/L

Displayed Model: **Biotransformation**



Plume Mass (Order-of-Magnitude Accuracy)

See Gallons Plume Mass If No Degradation (Kg)

- Plume Mass If Biotransformation/Production (Kg)

Mass Removed (Kg)

If "Can't Calc.", make model area longer

% Biotransformed =

% Change in Mass Rate = (source to edge)

See acre-ft Current Volume of Ground Water in Plume MGal

Flow Rate of Water Through Source Area MGD

Compare to Pump and Treat Pumping Rate (gpm)

Pore Volumes Removed Per Yr.

Pore Volumes to Clean-Up

Clean-Up Time (yr)

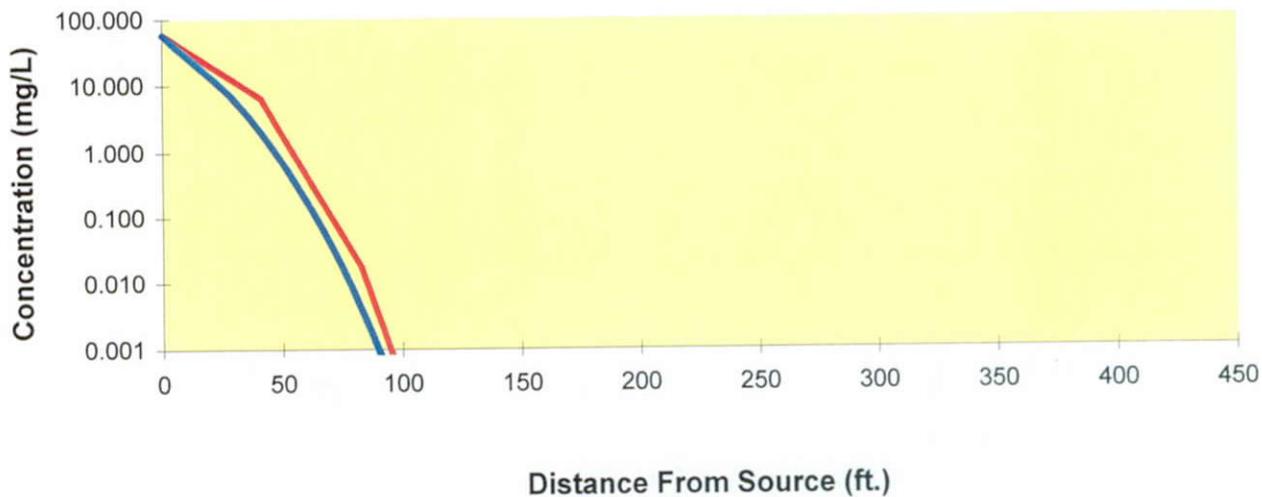
-

-

DISSOLVED CHLORINATED SOLVENT CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L) at Z=0

VC	Distance from Source (ft)										
	0	41	83	124	165	206	248	289	330	371	413
No Degradation	57.650	6.219	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Biotransformation	57.6498	1.948	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Monitoring Well Locations (ft)											
Field Data from Site											

— No Degradation/Production
 — Sequential 1st Order Decay
 ■ Field Data from Site



- [See PCE](#)
- [See TCE](#)
- [See DCE](#)
- [See VC](#)
- [See ETH](#)

Replay

Time:

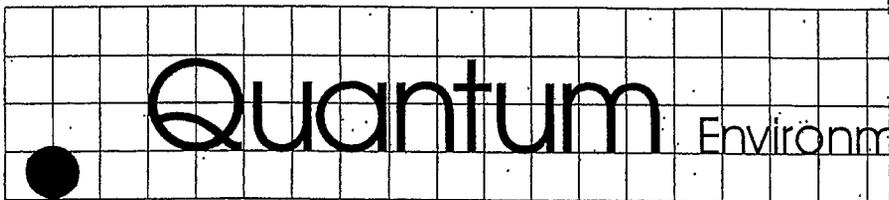
Log Linear

Return to Input

To All

To Array

Appendix F
Copies of Notification Letters



January 26, 2005

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Patrick Baker
City of Durham
101 City Hall Plaza
Durham, NC 27701

RE: Notice Concerning the Request for Approval of a Corrective Action Plan
Pursuant to 15A NCAC 2L .0106(I)
Former Nello Teer Quarry
5013 Denfield Street
Durham County
Durham, NC
Groundwater Incident #9357
Quantum Project Number 0013-94-012

Dear Mr. Baker:

This letter is being provided to inform you that the North Carolina Division of Waste Management-Groundwater Section has been requested to approve an environmental cleanup activity in your area. In accordance with the North Carolina General Statutes, a set of Groundwater Classifications and Standards has been put in place for the protection of all groundwater across the State. Because your property is located adjacent to or near other properties that may be involved in groundwater cleanup, the law requires that you be informed of proposed activities.

Pursuant to the notification requirements of Title 15A NCAC 2L .0114(b), Quantum Environmental, Inc. (Quantum), on behalf of Hanson Aggregates Southeast, is providing notice of the request for approval of a Corrective Action Plan under 15A NCAC 2L .0106 (I). This property is located at 5013 Denfield Street, approximately 0.6 miles north of the intersection of Denfield Street and Hebron Road in the city and county of Durham.

Some of the constituents found at the above location are typical of asphalt testing laboratories and have been detected beneath this site in concentrations which exceed the Groundwater Quality Standards established in 15A NCAC 2L .0202. Quantum believes that if the proposed corrective action plan is approved by the Department, implementation will result in the following:

The minor concentrations of soil and groundwater contamination remaining at the site are expected to degrade over time through the natural processes of adsorption,

0555 98ET 2000 0101 E002

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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: City of Durham Patrick Baker
Street, Apt. No., or PO Box No. 101 City Hall Plaza
City, State, ZIP+4 Durham, NC 27701

PS Form 3800, June 2002 See Reverse for Instructions

biodegradation, dispersion, dilution, volatilization, and possibly chemical or biochemical stabilization of the remaining contaminants. Other methods of groundwater remediation have previously been utilized at the site and they have substantially reduced the concentrations of solvent residuals present. Further utilization of these methods is not planned because they are not very effective in remediating low-level contamination and are very expensive to conduct. The soil containing solvent residuals is limited in extent and contains only low levels of contaminants. Active remediation of the limited soil contamination has also been deemed cost-prohibitive.

Computer modeling of the groundwater contaminants indicates that off-site migration of the solvent residuals is highly unlikely. Quantum has developed a groundwater monitoring program to track the solvent residual plume over time. This program is believed to be adequate to insure that any off-site receptors are protected. No negative impact to the environment, public health, or adjacent properties, including the usage and value of these properties, is anticipated.

If you would like to examine the plan, please contact Mr. Tom Davis, P. G. at (919) 852-3595. A copy will be mailed to you promptly. In addition, the Raleigh Regional Office has the proposed Corrective Action Plan with detailed site information on file for public examination. You may make an appointment to view the files and/or make copies of the information at a charge of 10 cents per page. Any written comments concerning this request should be submitted within 30 days of January 26, 2005 to Mr. Jay Zimmerman of the Raleigh Regional Office. Please send written comments to the following address:

Mr. Jay Zimmerman, P. G.
NCDENR-Groundwater Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
(919) 571-4700

Mr. Eric Rice of the Raleigh Regional Office staff may be contacted during normal weekday business hours to answer questions pertaining to this request or to arrange an examination of the information on file related to this incident. Notification of this request for approval of a corrective action plan is also being made by certified mail to the Director of the Durham County Health Department, the Durham County Manager and the City of Durham Manager.

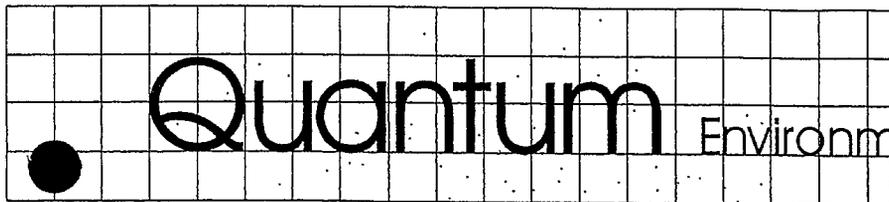
Sincerely,

QUANTUM ENVIRONMENTAL, INC.



Thomas W. Davis, P. G.

L05-006



January 26, 2005

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Mike Ruffin
Durham County
200 East Main Street, 2nd Floor, Old Courthouse
Durham, NC 27701

RE: Notice Concerning the Request for Approval of a Corrective Action Plan
Pursuant to 15A NCAC 2L .0106(l)
Former Nello Teer Quarry
5013 Denfield Street
Durham County
Durham, NC
Groundwater Incident #9357
Quantum Project Number 0013-94-012

Dear Mr. Ruffin:

This letter is being provided to inform you that the North Carolina Division of Waste Management-Groundwater Section has been requested to approve an environmental cleanup activity in your area. In accordance with the North Carolina General Statutes, a set of Groundwater Classifications and Standards has been put in place for the protection of all groundwater across the State. Because your property is located adjacent to or near other properties that may be involved in groundwater cleanup, the law requires that you be informed of proposed activities.

Pursuant to the notification requirements of Title 15A NCAC 2L .0114(b), Quantum Environmental, Inc. (Quantum), on behalf of Hanson Aggregates Southeast, is providing notice of the request for approval of a Corrective Action Plan under 15A NCAC 2L .0106 (l). This property is located at 5013 Denfield Street, approximately 0.6 miles north of the intersection of Denfield Street and Hebron Road in the city and county of Durham.

Some of the constituents found at the above location are typical of asphalt testing laboratories and have been detected beneath this site in concentrations which exceed the Groundwater Quality Standards established in 15A NCAC 2L .0202. Quantum believes that if the proposed corrective action plan is approved by the Department, implementation will result in the following:

The minor concentrations of soil and groundwater contamination remaining at the site are expected to degrade over time through the natural processes of adsorption,

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Total Postage & Fees	\$ 4.42	

Sent To: Durham County, Mike Ruffin
 Street, Apt. No., or PO Box No.: 200 E. Main St. 2nd FL Old Courthouse
 City, State, ZIP+4: Durham, NC 27701

PS Form 3800, June 2002 See Reverse for Instructions

biodegradation, dispersion, dilution, volatilization, and possibly chemical or biochemical stabilization of the remaining contaminants. Other methods of groundwater remediation have previously been utilized at the site and they have substantially reduced the concentrations of solvent residuals present. Further utilization of these methods is not planned because they are not very effective in remediating low-level contamination and are very expensive to conduct. The soil containing solvent residuals is limited in extent and contains only low levels of contaminants. Active remediation of the limited soil contamination has also been deemed cost-prohibitive.

Computer modeling of the groundwater contaminants indicates that off-site migration of the solvent residuals is highly unlikely. Quantum has developed a groundwater monitoring program to track the solvent residual plume over time. This program is believed to be adequate to insure that any off-site receptors are protected. No negative impact to the environment, public health, or adjacent properties, including the usage and value of these properties, is anticipated.

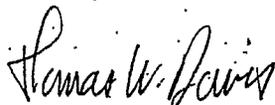
If you would like to examine the plan, please contact Mr. Tom Davis, P. G. at (919) 852-3595. A copy will be mailed to you promptly. In addition, the Raleigh Regional Office has the proposed Corrective Action Plan with detailed site information on file for public examination. You may make an appointment to view the files and/or make copies of the information at a charge of 10 cents per page. Any written comments concerning this request should be submitted within 30 days of January 26, 2005 to Mr. Jay Zimmerman of the Raleigh Regional Office. Please send written comments to the following address:

Mr. Jay Zimmerman, P. G.
NCDENR-Groundwater Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
(919) 571-4700

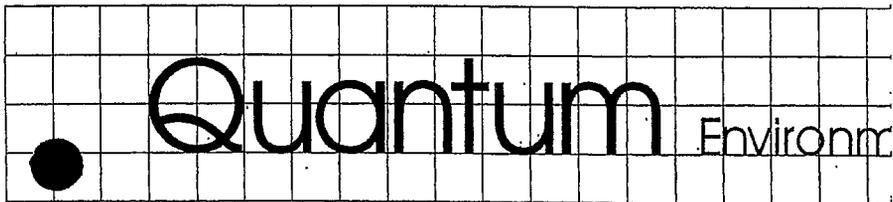
Mr. Eric Rice of the Raleigh Regional Office staff may be contacted during normal weekday business hours to answer questions pertaining to this request or to arrange an examination of the information on file related to this incident. Notification of this request for approval of a corrective action plan is also being made by certified mail to the Director of the Durham County Health Department, the Durham County Manager and the City of Durham Manager.

Sincerely,

QUANTUM ENVIRONMENTAL, INC.



Thomas W. Davis, P.G.
L05-006



January 26, 2005

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Brian Letourneau
Durham County Health Department
414 East Main Street
Durham, NC 27701

RE: Notice Concerning the Request for Approval of a Corrective Action Plan
Pursuant to 15A NCAC 21.0106(l)
Former Nello Teer Quarry
5013 Denfield Street
Durham County
Durham, NC
Groundwater Incident #9357
Quantum Project Number 0013-94-012

Dear Mr. Letourneau:

This letter is being provided to inform you that the North Carolina Division of Waste Management-Groundwater Section has been requested to approve an environmental cleanup activity in your area. In accordance with the North Carolina General Statutes, a set of Groundwater Classifications and Standards has been put in place for the protection of all groundwater across the State. Because your property is located adjacent to or near other properties that may be involved in groundwater cleanup, the law requires that you be informed of proposed activities.

Pursuant to the notification requirements of Title 15A NCAC 2L .0114(b), Quantum Environmental, Inc. (Quantum), on behalf of Hanson Aggregates Southeast, is providing notice of the request for approval of a Corrective Action Plan under 15A NCAC 2L .0106 (l). This property is located at 5013 Denfield Street, approximately 0.6 miles north of the intersection of Denfield Street and Hebron Road in the city and county of Durham.

Some of the constituents found at the above location are typical of asphalt testing laboratories and have been detected beneath this site in concentrations which exceed the Groundwater Quality Standards established in 15A NCAC 2L .0202. Quantum believes that if the proposed corrective action plan is approved by the Department, implementation will result in the following:

The minor concentrations of soil and groundwater contamination remaining at the site are expected to degrade over time through the natural processes of adsorption,

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Total Postage & Fees	\$ 4.42	

Sent To: Brian Letourneau
 Street, Apt. No., or PO Box No. Durham County Health Dept. 414 East main st.
 City, State, ZIP+4 Durham, NC 27701

PS Form 3800, June 2002 See Reverse for Instructions

biodegradation, dispersion, dilution, volatilization, and possibly chemical or biochemical stabilization of the remaining contaminants. Other methods of groundwater remediation have previously been utilized at the site and they have substantially reduced the concentrations of solvent residuals present. Further utilization of these methods is not planned because they are not very effective in remediating low-level contamination and are very expensive to conduct. The soil containing solvent residuals is limited in extent and contains only low levels of contaminants. Active remediation of the limited soil contamination has also been deemed cost-prohibitive.

Computer modeling of the groundwater contaminants indicates that off-site migration of the solvent residuals is highly unlikely. Quantum has developed a groundwater monitoring program to track the solvent residual plume over time. This program is believed to be adequate to insure that any off-site receptors are protected. No negative impact to the environment, public health, or adjacent properties, including the usage and value of these properties, is anticipated.

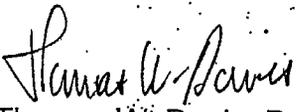
If you would like to examine the plan, please contact Mr. Tom Davis, P. G. at (919) 852-3595. A copy will be mailed to you promptly. In addition, the Raleigh Regional Office has the proposed Corrective Action Plan with detailed site information on file for public examination. You may make an appointment to view the files and/or make copies of the information at a charge of 10 cents per page. Any written comments concerning this request should be submitted within 30 days of January 26, 2005 to Mr. Jay Zimmerman of the Raleigh Regional Office. Please send written comments to the following address:

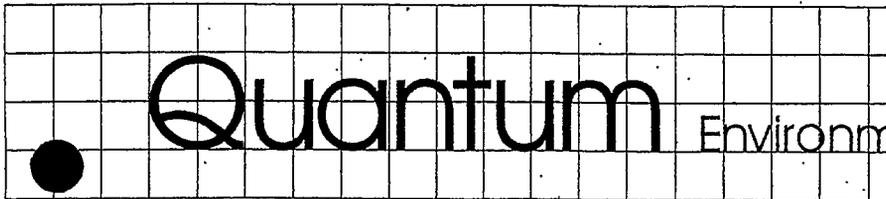
Mr. Jay Zimmerman, P. G.
NCDENR-Groundwater Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
(919) 571-4700

Mr. Eric Rice of the Raleigh Regional Office staff may be contacted during normal weekday business hours to answer questions pertaining to this request or to arrange an examination of the information on file related to this incident. Notification of this request for approval of a corrective action plan is also being made by certified mail to the Director of the Durham County Health Department, the Durham County Manager and the City of Durham Manager.

Sincerely,

QUANTUM ENVIRONMENTAL, INC.


Thomas W. Davis, P.G.
L05-006



January 26, 2005

VIA CERTIFIED MAIL
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Mr. Donald W. Ward
P.O. Box 15157
Durham, NC 27704

1985 96ET 2000 DTOT E002

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Total Postage & Fees	\$ 4.42	
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Mr. Donald W. Ward		
Street, Apt. No., or PO Box No.		
P.O. Box 15157		
City, State, ZIP+4		
Durham, NC 27704		
PS Form 3800, June 2002		See Reverse for Instruction

RE: Notice Concerning the Request for Approval of a Corrective Action Plan Pursuant to 15A NCAC 2L .0106(l)
Former Nello Teer Quarry
5013 Denfield Street
Durham County
Durham, NC
Groundwater Incident #9357
Quantum Project Number 0013-94-012.

Dear Mr. Ward:

This letter is being provided to inform you that the North Carolina Division of Waste Management-Groundwater Section has been requested to approve an environmental cleanup activity in your area. In accordance with the North Carolina General Statutes, a set of Groundwater Classifications and Standards has been put in place for the protection of all groundwater across the State. Because your property is located adjacent to or near other properties that may be involved in groundwater cleanup, the law requires that you be informed of proposed activities.

Pursuant to the notification requirements of Title 15A NCAC 2L .0114(b), Quantum Environmental, Inc. (Quantum), on behalf of Hanson Aggregates Southeast, is providing notice of the request for approval of a Corrective Action Plan under 15A NCAC 2L .0106 (l). This property is located at 5013 Denfield Street, approximately 0.6 miles north of the intersection of Denfield Street and Hebron Road in the city and county of Durham.

Some of the constituents found at the above location are typical of asphalt testing laboratories and have been detected beneath this site in concentrations which exceed the Groundwater Quality Standards established in 15A NCAC 2L .0202. Quantum believes that if the proposed corrective action plan is approved by the Department, implementation will result in the following:

The minor concentrations of soil and groundwater contamination remaining at the site are expected to degrade over time through the natural processes of adsorption, biodegradation, dispersion, dilution, volatilization, and possibly chemical or biochemical

stabilization of the remaining contaminants. Other methods of groundwater remediation have previously been utilized at the site and they have substantially reduced the concentrations of solvent residuals present. Further utilization of these methods is not planned because they are not very effective in remediating low-level contamination and are very expensive to conduct. The soil containing solvent residuals is limited in extent and contains only low levels of contaminants. Active remediation of the limited soil contamination has also been deemed cost-prohibitive.

Computer modeling of the groundwater contaminants indicates that off-site migration of the solvent residuals is highly unlikely. Quantum has developed a groundwater monitoring program to track the solvent residual plume over time. This program is believed to be adequate to insure that any off-site receptors are protected. No negative impact to the environment, public health, or adjacent properties, including the usage and value of these properties, is anticipated.

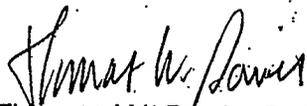
If you would like to examine the plan, please contact Mr. Tom Davis, P. G. at (919) 852-3595. A copy will be mailed to you promptly. In addition, the Raleigh Regional Office has the proposed Corrective Action Plan with detailed site information on file for public examination. You may make an appointment to view the files and/or make copies of the information at a charge of 10 cents per page. Any written comments concerning this request should be submitted within 30 days of January 26, 2005 to Mr. Jay Zimmerman of the Raleigh Regional Office. Please send written comments to the following address:

Mr. Jay Zimmerman, P. G.
NCDENR-Groundwater Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
(919) 571-4700

Mr. Eric Rice of the Raleigh Regional Office staff may be contacted during normal weekday business hours to answer questions pertaining to this request or to arrange an examination of the information on file related to this incident. Notification of this request for approval of a corrective action plan is also being made by certified mail to the Director of the Durham County Health Department, the Durham County Manager and the City of Durham Manager.

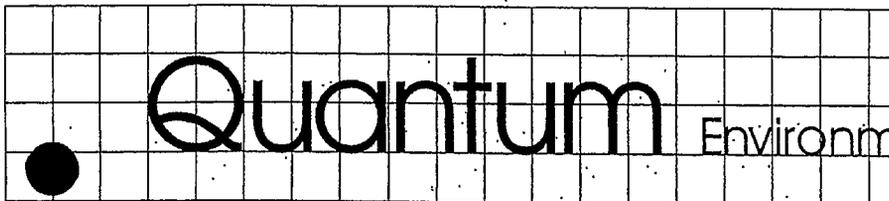
Sincerely,

QUANTUM ENVIRONMENTAL, INC.



Thomas W. Davis, P.G.

L05-006



January 26, 2005

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Crossman Communities of NC Inc.
P.O. Box 12033
Durham, NC 27709

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Total Postage & Fees	\$ 4.42	

Sent To: Crossman Communities of NC Inc.
 Street, Apt. No., or PO Box No. P.O. Box 12033
 City, State, ZIP+4 Durham, NC 27709

PS Form 3800, June 2002 See Reverse for Instructions

RE: Notice Concerning the Request for Approval of a Corrective Action Plan
 Pursuant to 15A NCAC 2L 0106(l).
 Former Nello Teer Quarry
 5013 Denfield Street
 Durham County
 Durham, NC
 Groundwater Incident #9357
 Quantum Project Number 0013-94-012

Dear Manager:

This letter is being provided to inform you that the North Carolina Division of Waste Management-Groundwater Section has been requested to approve an environmental cleanup activity in your area. In accordance with the North Carolina General Statutes, a set of Groundwater Classifications and Standards has been put in place for the protection of all groundwater across the State. Because your property is located adjacent to or near other properties that may be involved in groundwater cleanup, the law requires that you be informed of proposed activities.

Pursuant to the notification requirements of Title 15A NCAC 2L 0114(b), Quantum Environmental, Inc. (Quantum), on behalf of Hanson Aggregates Southeast, is providing notice of the request for approval of a Corrective Action Plan under 15A NCAC 2L 0106 (l). This property is located at 5013 Denfield Street, approximately 0.6 miles north of the intersection of Denfield Street and Hebron Road in the city and county of Durham.

Some of the constituents found at the above location are typical of asphalt testing laboratories and have been detected beneath this site in concentrations which exceed the Groundwater Quality Standards established in 15A NCAC 2L 0202. Quantum believes that if the proposed corrective action plan is approved by the Department, implementation will result in the following:

The minor concentrations of soil and groundwater contamination remaining at the site are expected to degrade over time through the natural processes of adsorption, biodegradation, dispersion, dilution, volatilization, and possibly chemical or biochemical

stabilization of the remaining contaminants. Other methods of groundwater remediation have previously been utilized at the site and they have substantially reduced the concentrations of solvent residuals present. Further utilization of these methods is not planned because they are not very effective in remediating low-level contamination and are very expensive to conduct. The soil containing solvent residuals is limited in extent and contains only low levels of contaminants. Active remediation of the limited soil contamination has also been deemed cost-prohibitive.

Computer modeling of the groundwater contaminants indicates that off-site migration of the solvent residuals is highly unlikely. Quantum has developed a groundwater monitoring program to track the solvent residual plume over time. This program is believed to be adequate to insure that any off-site receptors are protected. No negative impact to the environment, public health, or adjacent properties, including the usage and value of these properties, is anticipated.

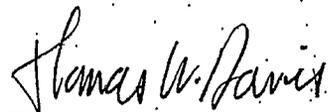
If you would like to examine the plan, please contact Mr. Tom Davis, P. G. at (919) 852-3595. A copy will be mailed to you promptly. In addition, the Raleigh Regional Office has the proposed Corrective Action Plan with detailed site information on file for public examination. You may make an appointment to view the files and/or make copies of the information at a charge of 10 cents per page. Any written comments concerning this request should be submitted within 30 days of January 26, 2005 to Mr. Jay Zimmerman of the Raleigh Regional Office. Please send written comments to the following address:

Mr. Jay Zimmerman, P. G.
NCDENR-Groundwater Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
(919) 571-4700

Mr. Eric Rice of the Raleigh Regional Office staff may be contacted during normal weekday business hours to answer questions pertaining to this request or to arrange an examination of the information on file related to this incident. Notification of this request for approval of a corrective action plan is also being made by certified mail to the Director of the Durham County Health Department, the Durham County Manager and the City of Durham Manager.

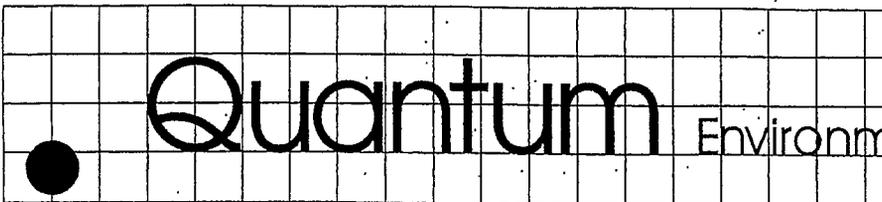
Sincerely,

QUANTUM ENVIRONMENTAL, INC.



Thomas W. Davis, P.G.

L05-006



January 26, 2005

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Rodney T. Thomas
987 Bowen Road
Rougemount, NC 27572-6402

RE: Notice Concerning the Request for Approval of a Corrective Action Plan
Pursuant to 15A NCAC 2L .0106(l)
Former Nello Teer Quarry
5013 Denfield Street
Durham County
Durham, NC
Groundwater Incident #9357
Quantum Project Number 0013-94-012

Dear Mr. Thomas:

This letter is being provided to inform you that the North Carolina Division of Waste Management-Groundwater Section has been requested to approve an environmental cleanup activity in your area. In accordance with the North Carolina General Statutes, a set of Groundwater Classifications and Standards has been put in place for the protection of all groundwater across the State. Because your property is located adjacent to or near other properties that may be involved in groundwater cleanup, the law requires that you be informed of proposed activities.

Pursuant to the notification requirements of Title 15A NCAC 2L .0114(b), Quantum Environmental, Inc. (Quantum), on behalf of Hanson Aggregates Southeast, is providing notice of the request for approval of a Corrective Action Plan under 15A NCAC 2L .0106 (l). This property is located at 5013 Denfield Street, approximately 0.6 miles north of the intersection of Denfield Street and Hebron Road in the city and county of Durham.

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Total Postage & Fees	\$ 4.42	

Sent To: Mr. Rodney T. Thomas
 Street, Apt. No., or PO Box No.: 987 Bowen Road
 City, State, ZIP+4: Rougemount NC 27572-6402

PS Form 3800, June 2002 See Reverse for Instructions

stabilization of the remaining contaminants. Other methods of groundwater remediation have previously been utilized at the site and they have substantially reduced the concentrations of solvent residuals present. Further utilization of these methods is not planned because they are not very effective in remediating low-level contamination and are very expensive to conduct. The soil containing solvent residuals is limited in extent and contains only low levels of contaminants. Active remediation of the limited soil contamination has also been deemed cost-prohibitive.

Computer modeling of the groundwater contaminants indicates that off-site migration of the solvent residuals is highly unlikely. Quantum has developed a groundwater monitoring program to track the solvent residual plume over time. This program is believed to be adequate to insure that any off-site receptors are protected. No negative impact to the environment, public health, or adjacent properties, including the usage and value of these properties, is anticipated.

If you would like to examine the plan, please contact Mr. Tom Davis, P. G. at (919) 852-3595. A copy will be mailed to you promptly. In addition, the Raleigh Regional Office has the proposed Corrective Action Plan with detailed site information on file for public examination. You may make an appointment to view the files and/or make copies of the information at a charge of 10 cents per page. Any written comments concerning this request should be submitted within 30 days of January 26, 2005 to Mr. Jay Zimmerman of the Raleigh Regional Office. Please send written comments to the following address:

Mr. Jay Zimmerman, P. G.
NCDENR-Groundwater Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
(919) 571-4700

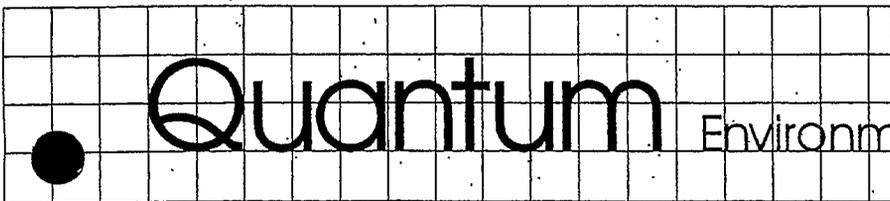
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Sincerely,

QUANTUM ENVIRONMENTAL, INC.



Thomas W. Davis, P.G.
L05-006



January 26, 2005

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Harvey L. Harris
125 Chatleton Court
Durham, NC 27712

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Total Postage & Fees	\$ 4.42	

Sent To Harvey L. Harris
 Street, Apt. No.,
 or PO Box No. 125 Chatleton Court
 City, State, ZIP+4 Durham, NC 27712

PS Form 3800, June 2002 See Reverse for Instruction

RE: - Notice Concerning the Request for Approval of a Corrective Action Plan
Pursuant to 15A NCAC 2L .0106(I)
Former Nello Teer Quarry
5013 Denfield Street
Durham County
Durham, NC
Groundwater Incident #9357
Quantum Project Number 0013-94-012

Dear Mr. Harris:

This letter is being provided to inform you that the North Carolina Division of Waste Management-Groundwater Section has been requested to approve an environmental cleanup activity in your area. In accordance with the North Carolina General Statutes, a set of Groundwater Classifications and Standards has been put in place for the protection of all groundwater across the State. Because your property is located adjacent to or near other properties that may be involved in groundwater cleanup, the law requires that you be informed of proposed activities.

Pursuant to the notification requirements of Title 15A NCAC 2L .0114(b), Quantum Environmental, Inc. (Quantum), on behalf of Hanson Aggregates Southeast, is providing notice of the request for approval of a Corrective Action Plan under 15A NCAC 2L .0106 (I). This property is located at 5013 Denfield Street, approximately 0.6 miles north of the intersection of Denfield Street and Hebron Road in the city and county of Durham.

Some of the constituents found at the above location are typical of asphalt testing laboratories and have been detected beneath this site in concentrations which exceed the Groundwater Quality Standards established in 15A NCAC 2L .0202. Quantum believes that if the proposed corrective action plan is approved by the Department, implementation will result in the following:

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stabilization of the remaining contaminants. Other methods of groundwater remediation have previously been utilized at the site and they have substantially reduced the concentrations of solvent residuals present. Further utilization of these methods is not planned because they are not very effective in remediating low-level contamination and are very expensive to conduct. The soil containing solvent residuals is limited in extent and contains only low levels of contaminants. Active remediation of the limited soil contamination has also been deemed cost-prohibitive.

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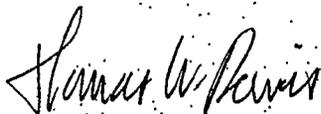
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Mr. Jay Zimmerman, P. G.
NCDENR-Groundwater Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
(919) 571-4700

Mr. Eric Rice of the Raleigh Regional Office staff may be contacted during normal weekday business hours to answer questions pertaining to this request or to arrange an examination of the information on file related to this incident. Notification of this request for approval of a corrective action plan is also being made by certified mail to the Director of the Durham County Health Department, the Durham County Manager and the City of Durham Manager.

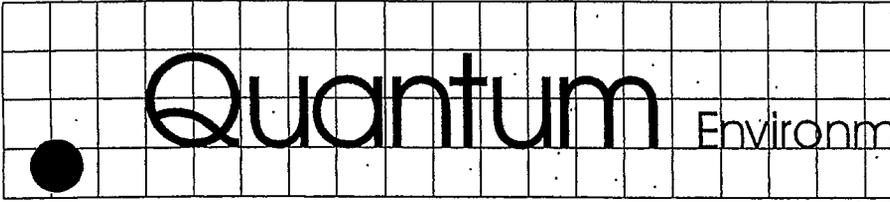
Sincerely,

QUANTUM ENVIRONMENTAL, INC.



Thomas W. Davis, P.G.

L05-006



January 26, 2005

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. & Mrs. Julius and Cheri Bartell
4911 Denfield Street
Durham, NC 27704

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Total Postage & Fees	\$ 4.42	

Sent To: Mr. & Mrs. Julius and Cheri Bartell
 Street, Apt. No., or PO Box No.: 4911 Denfield Street
 City, State, ZIP+4: Durham NC 27704

PS Form 3800, June 2002 See Reverse for Instructions

RE: Notice Concerning the Request for Approval of a Corrective Action Plan
Pursuant to 15A NCAC 2L .0106(I)
Former Nello Teer Quarry
5013 Denfield Street
Durham County
Durham, NC
Groundwater Incident #9357
Quantum Project Number 0013-94-012

Dear Mr. & Mrs. Bartell:

This letter is being provided to inform you that the North Carolina Division of Waste Management-Groundwater Section has been requested to approve an environmental cleanup activity in your area. In accordance with the North Carolina General Statutes, a set of Groundwater Classifications and Standards has been put in place for the protection of all groundwater across the State. Because your property is located adjacent to or near other properties that may be involved in groundwater cleanup, the law requires that you be informed of proposed activities.

Pursuant to the notification requirements of Title 15A NCAC 2L .0114(b), Quantum Environmental, Inc. (Quantum), on behalf of Hanson Aggregates Southeast, is providing notice of the request for approval of a Corrective Action Plan under 15A NCAC 2L .0106 (I). This property is located at 5013 Denfield Street, approximately 0.6 miles north of the intersection of Denfield Street and Hebron Road in the city and county of Durham.

Some of the constituents found at the above location are typical of asphalt testing laboratories and have been detected beneath this site in concentrations which exceed the Groundwater Quality Standards established in 15A NCAC 2L .0202. Quantum believes that if the proposed corrective action plan is approved by the Department, implementation will result in the following:

The minor concentrations of soil and groundwater contamination remaining at the site are expected to degrade over time through the natural processes of adsorption, biodegradation, dispersion, dilution, volatilization, and possibly chemical or biochemical

stabilization of the remaining contaminants. Other methods of groundwater remediation have previously been utilized at the site and they have substantially reduced the concentrations of solvent residuals present. Further utilization of these methods is not planned because they are not very effective in remediating low-level contamination and are very expensive to conduct. The soil containing solvent residuals is limited in extent and contains only low levels of contaminants. Active remediation of the limited soil contamination has also been deemed cost-prohibitive.

Computer modeling of the groundwater contaminants indicates that off-site migration of the solvent residuals is highly unlikely. Quantum has developed a groundwater monitoring program to track the solvent residual plume over time. This program is believed to be adequate to insure that any off-site receptors are protected. No negative impact to the environment, public health, or adjacent properties, including the usage and value of these properties, is anticipated.

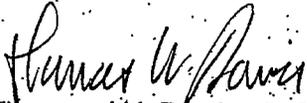
If you would like to examine the plan, please contact Mr. Tom Davis, P. G. at (919) 852-3595. A copy will be mailed to you promptly. In addition, the Raleigh Regional Office has the proposed Corrective Action Plan with detailed site information on file for public examination. You may make an appointment to view the files and/or make copies of the information at a charge of 10 cents per page. Any written comments concerning this request should be submitted within 30 days of January 26, 2005 to Mr. Jay Zimmerman of the Raleigh Regional Office. Please send written comments to the following address:

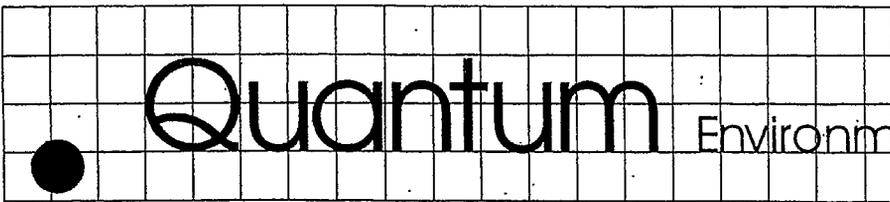
Mr. Jay Zimmerman, P. G.
NCDENR-Groundwater Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
(919) 571-4700

Mr. Eric Rice of the Raleigh Regional Office staff may be contacted during normal weekday business hours to answer questions pertaining to this request or to arrange an examination of the information on file related to this incident. Notification of this request for approval of a corrective action plan is also being made by certified mail to the Director of the Durham County Health Department, the Durham County Manager and the City of Durham Manager.

Sincerely,

QUANTUM ENVIRONMENTAL, INC.


Thomas W. Davis, P.G.
L05-006



January 26, 2005

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Proctor, Proctor and Laura, LLC
243 Russie Crabtree Road
Rougemount, NC 27572-7102

RE: Notice Concerning the Request for Approval of a Corrective Action Plan
Pursuant to 15A NCAC 2L .0106(l)
Former Nello Teer Quarry
5013 Denfield Street
Durham County
Durham, NC
Groundwater Incident #9357
Quantum Project Number 0013-94-012

Dear Manager:

This letter is being provided to inform you that the North Carolina Division of Waste Management-Groundwater Section has been requested to approve an environmental cleanup activity in your area. In accordance with the North Carolina General Statutes, a set of Groundwater Classifications and Standards has been put in place for the protection of all groundwater across the State. Because your property is located adjacent to or near other properties that may be involved in groundwater cleanup, the law requires that you be informed of proposed activities.

Pursuant to the notification requirements of Title 15A NCAC 2L .0114(b), Quantum Environmental, Inc. (Quantum), on behalf of Hanson Aggregates Southeast, is providing notice of the request for approval of a Corrective Action Plan under 15A NCAC 2L .0106 (l). This property is located at 5013 Denfield Street, approximately 0.6 miles north of the intersection of Denfield Street and Hebron Road in the city and county of Durham.

Some of the constituents found at the above location are typical of asphalt testing laboratories and have been detected beneath this site in concentrations which exceed the Groundwater Quality Standards established in 15A NCAC 2L .0202. Quantum believes that if the proposed corrective action plan is approved by the Department, implementation will result in the following:

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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: Proctor, Proctor, and Laura, LLC
 Street, Apt. No., or PO Box No.: 243 Russie Crabtree Road
 City, State, ZIP+4: Rougemount, NC 27572-7102

PS Form 3800, June 2002 See Reverse for Instructions

stabilization of the remaining contaminants. Other methods of groundwater remediation have previously been utilized at the site and they have substantially reduced the concentrations of solvent residuals present. Further utilization of these methods is not planned because they are not very effective in remediating low-level contamination and are very expensive to conduct. The soil containing solvent residuals is limited in extent and contains only low levels of contaminants. Active remediation of the limited soil contamination has also been deemed cost-prohibitive.

Computer modeling of the groundwater contaminants indicates that off-site migration of the solvent residuals is highly unlikely. Quantum has developed a groundwater monitoring program to track the solvent residual plume over time. This program is believed to be adequate to insure that any off-site receptors are protected. No negative impact to the environment, public health, or adjacent properties, including the usage and value of these properties, is anticipated.

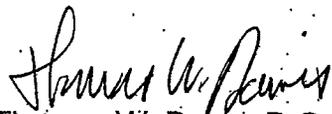
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Mr. Jay Zimmerman, P. G.
NCDENR-Groundwater Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
(919) 571-4700

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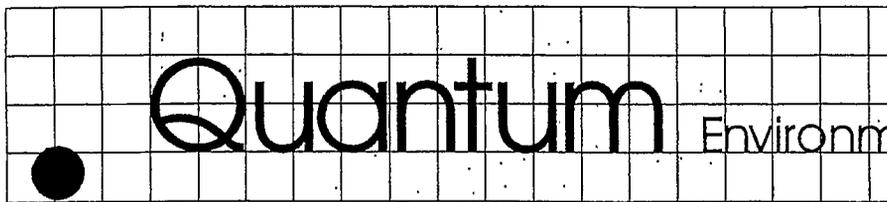
Sincerely,

QUANTUM ENVIRONMENTAL, INC.



Thomas W. Davis, P.G.

L05-006



January 26, 2005

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. A.L. Derr
4921 Denfield Street
Durham, NC 27704-1317

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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: Mr. A.L. Derr
 Street, Apt. No., or PO Box No.: 4921 Denfield Street
 City, State, ZIP+4: Durham, NC 27704-1317

PS Form 3800, June 2002 See Reverse for Instructions

RE: Notice Concerning the Request for Approval of a Corrective Action Plan
Pursuant to 15A NCAC 2L .0106(I).
Former Nello Teer Quarry
5013 Denfield Street
Durham County
Durham, NC
Groundwater Incident #9357
Quantum Project Number 0013-94-012.

Dear Mr. Derr:

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Pursuant to the notification requirements of Title 15A NCAC 2L .0114(b), Quantum Environmental, Inc. (Quantum), on behalf of Hanson Aggregates Southeast, is providing notice of the request for approval of a Corrective Action Plan under 15A NCAC 2L .0106 (I). This property is located at 5013 Denfield Street, approximately 0.6 miles north of the intersection of Denfield Street and Hebron Road in the city and county of Durham.

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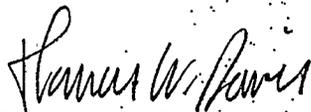
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NCDENR-Groundwater Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699
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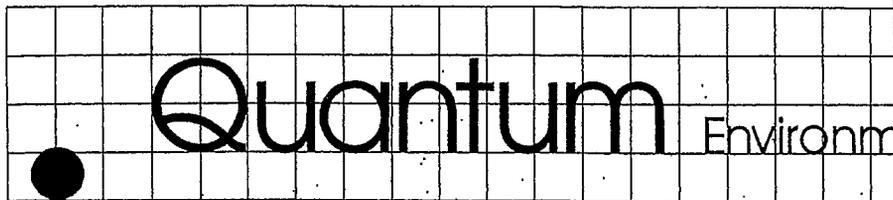
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Sincerely,

QUANTUM ENVIRONMENTAL, INC.



Thomas W. Davis, P. G.
L05-006



January 26, 2005

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Church of God of Prophecy Trustees
P.O. Box 15820
Durham, NC 27704

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Church of God of Prophecy	
Street, Apt. No., or PO Box No. P.O. Box 15820 Trustees	
City, State, ZIP+4 Durham, NC 27704	
PS Form 3800, June 2002 See Reverse for Instruction	

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Durham, NC
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Quantum Project Number 0013-94-012

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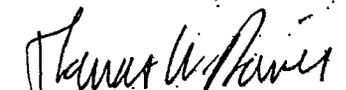
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